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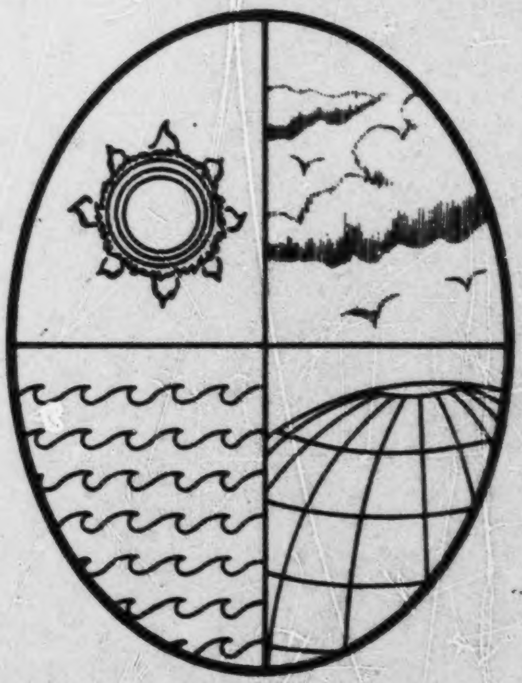

A SURVEY OF FUEL AND ENERGY INFORMATION SOURCES

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From 103 Federal, state, and independent information source agencies surveyed, the total number of fuel and energy related documents published is over 40,000. In addition this volume identifies 77 unpublished Federal fuel and energy related questionnaires which are circulated to 120,000 individual industrial corporations each year. The fuel and energy information source agencies are organized according to a set of management information descriptors developed by the study.

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ABSTRACT

This report is a survey of fuel and energy information sources. The discussion encompasses 103 Federal, state, and independent information source agencies. The survey indicates that the total number of fuel and energy related documents published by the identified agencies is over 40,000. In addition the survey identifies and compiles 77 unpublished Federal fuel and energy related questionnaires which are circulated to 120,000 individual industrial corporations each year. Both the fuel and energy information source agencies and Federal questionnaires are organized according to a set of management information descriptors developed by the study.

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INTRODUCTION

This report discusses the results of three subtasks studied as part of the Survey of Available Sources of Fuel and Energy Information Task. The subtasks may be identified as follows:

1. Identification of Federal, state, and independent organizations which are sources of information on fuels and energy, together with types of publications which they produce.

2. Identification of unpublished questionnaires prepared by Federal agencies which provide the data base for Federal action related to fuels and energy.

3. Development of a descriptor set for organization of the fuel and energy data base into primary management information categories.

The detailed results of the study are presented in total in this document. Volume II, consisting of actual copies of each Federal agency questionnaire surveyed during the course of the study, has been published separately.

IDENTIFICATION OF AGENCIES

Agencies which are sources of fuel and energy information are identified in this report under three categories:

- Federal - Agencies which are part of the Federal Governmental structure.

- State - Agencies which are part of a state governmental structure or are funded or controlled by the state. Agencies in this category are primarily state geological survey offices and state university connected research organizations.

- Independent - Organizations which are independent of any governmental structure. For the purpose of this report, organizations in this category are primarily fuel and energy industry associations, professional societies, or research service organizations which publish periodic documents on fuel and energy. At NAPCA request, this organizational category does *not* include profit-making industrial firms whose fuel and energy research is performed under contract to governmental organizations.

The identification of Federal, state, and independent agencies as sources of fuel and energy information was initially approached by reviewing the following organization identifiers:

- *U. S. Government Organization Manual 1969-1970*
  General Services Administration

- *A Directory of Information Resources in the United States*
  National Referral Center for Science and Technology,
  June 1967

- United States Geological Survey Library

- Control Techniques for Sulfur Oxide Air Pollutants
  U. S. Department of Health, Education and Welfare,
  January 1969

- Statistical Services of the United States Government
  Executive Office of the President, Bureau of the Budget

- Smithsonian Institution, Science Information Exchange
  Washington, D. C.

These identifiers were utilized to supply the following information:

- A list of organizations (Federal, state, and independent) that are performing research, conducting surveys, and publishing information related to fuels and energy.

- Abstracts describing the organizational functions.

- Telephone numbers and names of persons who could be contacted for additional information.

INFORMATION GATHERING METHODS

Information was collected by three standard methods:

- Library investigation
- Telephone and mail contact with identified agencies
- Meetings with selected Government agencies, such as Bureau of Mines, Bureau of the Budget, etc.

In contacting the various agencies, four types of information were requested as follows:

Abstracts - A functional description of the agency and its relevance to the fuel and energy survey. In the case of very large organizations with a wide variety of activities (i.e., large universities, research organizations, etc.), only the functions of the sub-agency concerned with the fuel and energy information were surveyed.

Fuel and Energy Categories - A description of the fuel and energy information which could be made available was obtained from each organization contacted. This description is defined in the form of management information descriptors that are described in a later section.

Published Information - A list of publications produced was obtained from each organization contacted. A total of 40,000 fuel and energy information documents has been defined thus far for the organizations contacted. The lists of these publications, including abstracts, have been compiled for future translation into an automated fuel and energy information retrieval system. These lists are expected to expand to 75,000 documents. A summary of any in-house and other supported fuel and energy research was also prepared to distinguish it from research which is merely reported in the publications of the agency.

Unpublished Information - This information was requested in two broad categories:

1. Information gathered through the use of questionnaires and surveys.
2. All other unpublished information.

Listings of the Federal, state, and independent organizations which have been identified as sources of fuel and energy information are given in Tables I, II, and III respectively. Appendices I, II, and III provide detailed descriptions of each of these organizations to include the following:

- Title
- Address
- Phone
- Functional abstract

TABLE I

FEDERAL SOURCES OF FUEL AND ENERGY INFORMATION

1. Alaska Power Administration
2. Appalachian Regional Commission
3. Atomic Energy Commission
4. Bonneville Power Administration
5. Bureau of the Census
6. Bureau of Mines
7. Corp of Engineers, Department of the Army
8. Defense Electric Power Administration
9. Delaware River Basin Commission
10. Federal Power Commission
11. Federal Water Quality Administration
12. Interstate Commerce Commission
13. Interstate Oil Compact Commission
14. National Science Foundation
15. Office of Coal Research
16. Office of Minerals and Solid Fuels
17. Office of Oil and Gas
18. Office of Water Resources Research
19. Oil Import Administration
20. Southeastern Power Administration
21. Southwestern Power Administration
22. Tennessee Valley Authority
23. U. S. Geological Survey

TABLE II

STATE SOURCES OF FUEL AND ENERGY INFORMATION

1. Geological Survey of Alabama, University of Alabama
2. State of Alaska, Department of Natural Resources of Mines and Geology
3. Arizona Bureau of Mines, University of Arizona
4. Arkansas Geological Commission
5. Division of Mines and Geology, California Department of Conservation
6. Colorado Geological Survey
7. Connecticut Geological and Natural History Survey
8. Delaware Geological Survey, University of Delaware
9. Bureau of Geology, Florida Board of Conservation
10. Department of Mines, Mining, and Geology (Georgia)
11. Division of Water and Land Development, Department of Land and Natural Resources (Hawaii)
12. Idaho Bureau of Mines and Geology
13. Illinois Geological Survey
14. Department of Natural Resources (Indiana)
15. Iowa Geological Survey
16. State Geological Survey of Kansas
17. Kentucky Geological Survey, University of Kentucky
18. Louisiana Geological Survey
19. Maine Geological Survey
20. Maryland Geological Survey
21. Department of Natural Resources, Geological Survey Division (Michigan)
22. Minnesota Geological Survey and Topographical Survey
23. Mississippi Geological, Economic, and Topographical Survey
24. Division of Geological Survey and Water Resources (Missouri)
25. Montana Bureau of Mines and Geology
26. Conservation and Survey Division, University of Nebraska

TABLE II, Concluded

STATE SOURCES OF FUEL AND ENERGY INFORMATION

27. Nevada Bureau of Mines, University of Nevada
28. Department of Resources of Economic Development, Geological Branch, Department of Geology (New Hampshire)
29. New Jersey Bureau of Geology and Topography
30. New Mexico Bureau of Mines and Mineral Resources
31. New York State Museum of Science, Service Geological Survey
32. Division of Mineral Resources, Department of Conservation and Development (North Carolina)
33. North Dakota Geological Survey, University Station
34. Ohio Division of Geological Survey
35. Oklahoma Geological Survey, University of Oklahoma
36. State Department of Geology and Mineral Industries (Oregon)
37. Topographic and Geological Survey (Pennsylvania)
38. Division of Geology (South Carolina)
39. South Dakota State Geological Survey
40. Department of Conservation, Division of Geology (Tennessee)
41. Bureau of Economic Geology, University of Texas
42. Utah Geological and Mineralogical Survey
43. Vermont Geological Survey
44. Virginia Division of Mineral Resources
45. Washington Division of Mines and Geology
46. West Virginia Geological and Economic Survey
47. Wisconsin Geological and Natural History Survey, University of Wisconsin
48. Geological Survey of Wyoming

TABLE III

INDEPENDENT SOURCES OF FUEL AND ENERGY INFORMATION

1. Air Pollution Control Association
2. American Chemical Society
3. American Gas Association
4. American Institute of Chemical Engineers
5. American Institute of Mining, Metallurgical, and Petroleum Engineers
6. American Nuclear Society
7. American Petroleum Institute
8. American Power Conference
9. American Society of Mechanical Engineers
10. Atomic Industrial Forum
11. Bituminous Coal Research, Inc.
12. Colorado School of Mines Research Institute
13. Edison Electric Institute
14. Institute of Electrical and Electronics Engineers
15. Institute of Gas Technology
16. Johns Hopkins University Press
17. Kansas State University, Engineering Experiment Station
18. Lawrence Radiation Laboratory
19. National Academy of Science, etc.
20. National Coal Association
21. National Oil Fuel Institute
22. National Petroleum Council
23. National Resources Analysis Center
24. Natural Gas Processors Association
25. Natural Resources Research Institute, University of Wyoming
26. Pennsylvania State University, Petroleum Refining Laboratory
27. Power Information Center, University of Pennsylvania
28. Resources for the Future, Inc.
29. Solar Energy Society
30. The Group to Advance Total Energy
31. West Virginia University, Coal Research Bureau

- Fuel and energy information available by fuel and energy descriptor category
- Number of fuel and energy publications
- Types of fuel and energy documents published
- Research supported
- Title of fuel and energy questionnaires produced (Federal agencies only)

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QUESTIONNAIRES AND SURVEYS

Information pertaining to questionnaires and surveys conducted by Federal Agencies was primarily obtained by contacting the Bureau of the Budget.

Federal regulations state that all Government agencies and their contractors must submit to the Bureau of the Budget for prior approval, all questionnaires for surveys sponsored by Federal funds when the survey consists of more than ten respondents. This approval is given by the Office of Statistical Policy of the Bureau. Contact was made with that office to discuss the following:

1. Procedures and regulations governing surveys sponsored by Federal funds.
2. Information available pertaining to surveys on fuel and energy-related subjects.
3. Regulations governing the use of survey data by the public or outside agencies.

Copies of all questionnaires involving fuel and energy information were made available. The list of Federal agencies which produce these questionnaires is indicated in Table IV. Summaries of the information contained in the questionnaires are presented in Appendix IV. These summaries include the following information:

- Title of initiating Federal agency
- Questionnaire title

- Frequency of submission
- Agency contact
- Type of information source
- Number of information sources
- Questions asked
- Official purpose of questionnaire
- Document in which questionnaire response is published (where applicable)
- Restriction on use of information obtained by the questionnaire
- The fuel and energy descriptors which apply to the questionnaire and its official purpose

A general restriction on the identification of information by individual industrial sources pertains to all information obtained by Federal questionnaires except those of the Federal Power Commission which relate to the regulated electric and natural gas industries. No restriction on the release of these data is indicated.

TABLE IV

FEDERAL AGENCIES WHICH HAVE SURVEY QUESTIONNAIRES RELATING TO FUELS AND ENERGY

Organization		Number of Questionnaires
Army Corps of Engineers		1
Atomic Energy Commission		1
Bureau of Census		2
Bureau of Mines		34
Federal Power Commission		18
Interstate Commerce Commission		3
Oil Import Administration		2
United States Geological Survey		16
	TOTAL	77

Army Corps of Engineers, Department of Defense

One questionnaire has been identified for the Army Corps of Engineers which relates to fuels and energy. This questionnaire is used by the Board of Engineers for Rivers and Harbors to define oil bunkering and storage facilities at continental United States ports. The survey is conducted jointly with the Maritime Administration in compliance with the terms of Section 8 of the Merchant Marine Act. The results of the survey are published in a port facilities book and are used to coordinate military, industrial, and civilian mobilization and national security.

Atomic Energy Commission

Only one questionnaire related to fuels and energy could be identified for the Atomic Energy Commission. This questionnaire provides AEC management with AEC electric power consumption and cost by location, as well as defining emergency electric power capabilities in accordance with Office of Emergency Planning Circular 8500.4A. This questionnaire is circulated to 31 AEC facilities.

Bureau of the Census, Department of Commerce

Discussions with the Director of the Division of Fuels and Electric Energy of the Bureau of the Census pertaining to surveys and questionnaires revealed that the Bureau of the Census does compile limited amounts of data on fuel and energy production. This data is obtained through surveys conducted during normal Bureau of the Census activities under the authority of Section 6, Title 13, of the United States Code. All processed fuel and energy data is available to the public in Bureau of the Census publications, specifically the "Census of Manufacturers" and "Current Industrial Reports" series.

Bureau of Mines, Department of the Interior

Initial contact with the Bureau of Mines was made to discuss the following:

1. Types of surveys made by the Bureau of Mines
2. Types of organizations participating in the surveys
3. Confidential or proprietary nature of the information
4. Storage and retrieval methods for the information
5. Availability of the information to other interested persons or agencies.

The discussion revealed the following facts:

1. All surveys performed by the Bureau are indicated in the List of Bureau of Mines Publications and Articles under "Mineral Industry Surveys." This list contains surveys relating to both mineral and fuel sources.

2. There are a total of approximately 160 questionnaires circulated on a weekly, monthly, quarterly, annual, biennial, and triennial basis. Thirty-four of these questionnaires have been identified as related to fuel and energy.

3. Information is obtained from approximately 12,000 coal, 11,000 natural gas, and 6500 petroleum production, processing and marketing corporations. In many cases, these surveys are performed at the specific request of other Federal or state agencies or by industry associations. No specific charter requires industrial response to the questionaires circulated by the Bureau of Mines for maintenance of a Federal information base on minerals

and fuels. Thus, the surveys performed are based on the cooperation of industry rather than on regulation.

4. There are restrictions imposed on the use of the data stored within the files of the Bureau of Mines. These are:

    a. An industrial organization cannot be revealed as an information source.

    b. All usage of such data must have prior approval of the Bureau of Mines.

Federal Power Commission

The official purpose of questionnaires prepared by the Federal Power Commission is to provide data for the administration of the Natural Gas Act and the Federal Power Act. The questionnaires emphasize not only production and distribution information, but also the economics of operation as a basis for defining utility rates. Eighteen Federal Power Commission questionnaires have been identified in this report. Complete descriptions of these approved basic questionnaires, together with modifications used for various responding plant sizes, are included in Federal Power Commission documents A-81 "Regulations Under the Federal Power Act," and A-96 "Regulations Under the Natural Gas Act". One or more of these questionnaires are circulated to 50,000 public, private and industrial power generation or distribution companies and 370 natural gas producers or distributors. In addition, one questionnaire entitled "Steam-Electric Plant Air and Water Quality Control Data" (FPC Form 67) has been submitted by the

Federal Power Commission to electric utility companies in conjunction with the National Air Pollution Control Administration and the Federal Water Quality Administration.

Interstate Commerce Commission

The Interstate Commerce Commission prepares and administers three questionnaires on commodity movements including coal, petroleum and natural gas. These questionnaires are submitted to about 900 highway, 75 rail and 197 pipeline carriers, which are subject to the Interstate Commerce Act. These questionnaires provide data on traffic, operations, equipment, finances, and employment which are published in general statistical form in Interstate Commerce Commission reports, particularly "Transport Statistics in the United States" published annually.

Oil Import Administration

The Oil Import Administration prepares and administers two questionnaires relating to the supply of imported oil in the United States. These questionnaires supplement Bureau of Mines questionnaires to provide the detail required for judging the impact of the oil import program administered by the Oil Import Administration under Presidential Proclamation 3279.

U. S. Geological Survey, Department of the Interior

The sixteen fuel and energy-related questionnaires prepared by the Geological Survey are specifically designed to provide information for regulation and supervision of mineral extraction operations on Federal and Indian lands in accordance with the Federal Mineral Leasing Acts. The primary objective is to provide a data base for verification or correction of royalty payments to the Federal Government based on mineral production. These questionaires are circulated to approximately 40,000 mineral producers, including off-shore oil and gas extraction, operating on leased Federal land.

In summary, this study indicates that 77 separate and distinct fuel and energy related questionnaires are produced by Federal agencies in support of Federal regulatory administration or for public information. One or more of these questionaires are circulated monthly, quarterly or annually to approximately 120,000 individual corporation. The current total annual responses to these questionaires is over 200,000. Copies of the 77 identified questionnaires are compiled in Volume II of this survey.

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FUEL AND ENERGY FORECASTS

As an outgrowth of assembling the publication data base for the fuel and energy task, forty-three fuel and energy forecast documents have been identified and collected. These documents are listed as follows:

1. Resources and Man - A Study and Recommendation, Committee on Resources and Man of the Division of Earth Sciences, National Academy of Sciences, National Research Council, 1969.

2. Landsberg, Hans H. and Sam H. Schurr, Energy in the United States; Sources, Uses, and Policy Issues, Resources for the Future, Inc., Washington, D. C., 1968.

3. Fisher, Joseph L. and Neal Potter, World Prospects for Natural Resources, Some Projection of Demand and Indication of Supply to the Year 2000, Resources for the Future, Inc., Washington, D. C., 1966.

4. An Energy Model for the United States, Featuring Energy Balances for the Year 1947 to 1965 and Projection and Forecast to the Year 1980 and 2000. Bureau of Mines Information Circular 8384, July 1968.

5. A Review and Comparison of Selected United States Energy Forecasts, Prepared for the Executive Office of the President, Office of Science and Technology by Pacific Northwest Laboratories of Battelle Memorial Institute, U. S. Government Printing Office, December 1969.

6. "18th Annual Electrical Industry Forecast," Electrical World, September 18, 1967.

7. Federal Power Commission, Power Requirements Special Technical Committee, "Forecast of Electric Utility Power Requirements to the Year 1980," National Power Survey. Part II - Advisory Reports, Washington, D. C., U. S. Government Printing Office, October 1964.

8. Johnson, Keith W., "West to Lead in Growth of Energy and Fuel Use," Public Utilities Fortnightly, Vol 72, No. 9, October 24, 1963.

9. National Fuels and Energy Study, Report on An Assessment of Available Information in the United States to the Committee on Interior and Insular Affairs, United States Senate, Washington, D. C., U. S. Government Printing Office, September 21, 1962, 87th Congress, 2nd Session, Committee Print. (Sometimes called "Lasky Report,: as Samuel G. Lasky was chairman of the National Fuels and Energy Study Group.)

10. Landsberg, Hans H., Leonard L. Fischman, and Joseph L. Fisher, "Resources in America's Future."Patterns of Requirements and Availabilities 1960 - 2000,"Baltimore,Maryland, The Johns Hopkins Press for Resources for the Future, Inc., 1963, Chapter 10 and Appendix.

11. Schurr, Sam H. and Bruce C. Netschert, Energy in the American Economy, 1850-1975. An Economic Study of Its History and Prospects, Baltimore, Md., The Johns Hopkins Press for Resources for the Future, Inc., 1960.

12. Searl, Milton F., Fossil Fuels in the Future, United States Atomic Energy Commission, Office of Operations Analysis and Forecasting, October, 1960, Pub. No. TID-8209. Available from the Office of Technical Services, Department of Commerce, Washington, D. C.

13. Sporn, Philip, Energy. Its Production, Conversion and Use in the Service of Man. New York, N. Y., The Macmillan Company, 1963. (The book contains three lectures on "Energy in the Service of Man" delivered under the auspices of the Graduate School of Business, Columbia University, February-March 1962.)

14. U. S. Atomic Energy Commission, Civilian Nuclear Power...a Report to the President-1962; Appendices to a Report to the President-1962; The 1967 Supplement to the 1962 Report to the President, Available from the Superintendent of Documents, U. S. Government Printing Office, Washington, D. C.

15. Headquarters Market Planning, Westinghouse Electric Corp., Twenty Year Predictions of Electric Power Requirements 1958-1978. A Model Based on Power Industry Customer Classifications. Pittsburgh, Pa., September, 1958.

16. "Report of the Edison Electric Institute on the Future of the Electric Power Industry in Relation to Water Resources," Water Resources Activities in the United States. Electric Power in Relation to the Nation's Water Resources. Report to the Select Committee on National Water Resources, United States Senate, pursuant to Senate Resolution 48, Washington, D.C., U. S. Government Printing Office, January 1960, 86th Congress, 2nd Session, Committee Print No. 10.

17. Ebasco Services Incorporated, Utility Marketing Services, Utility Outlook Now and Tomorrow, Two Rector St., New York, N. Y. September 1965.

18. Leihy, C. W., "2000 A.D. - A Global Electrical Prediction," Energy International, July 1964.

19. Felix, Fremont, "Status and Growth of Electrical Energy, Total Energy and National Income for All Countries of the World and Long-Range Extension of World Curves of Consumption Growth," Proceedings of the American Power Conference, Vol. XXVI, April 1964. (Available from the American Power Conference, Illinois Institute of Technology, Chicago, Ill.)

20. Hibbard, Dr. Walter R., Jr., The Economics of Forecasting Coal, United States Department of the Interior News Release 81588, June 27, 1966. (Remarks by the director of the U. S. Department of the Interior, Bureau of Mines,at the annual meeting of the Rocky Mountain Coal Mining Institute, Estes Park, Colo.)

21. Lamb, George A., "An Analysis of the Coal Industry," Energy Resources and Technology. Hearings before the Subcommittee on Automation and Energy Resources of the Joint Economic Committee, Congress of the United States. Washington,D.C., U. S. Government Printing Office, October 12-16, 1959, 86th Congress, 1st Session.

22. McKinney, Robert, "Free World Energy, Petroleum and Natural Gas Outlook," Background Material for the Review of the International Atomic Policies and Programs of the United States. Report to the Joint Committee on Atomic Energy, Congress of the United States, Vol. 4, pp. 1574-1581. Washington D. C., U. S. Government Printing Office, October 1960, 86th Congress, 2nd Session, Joint Committee Print.

23. Putnam, Palmer C., Energy in the Future, New York, N. Y., D. Van Nostrand Company, Inc., 1953.

24. Teitelbaum, Perry D., Nuclear Energy and the U. S. Fuel Economy, 1955-1980. Washington, D. C., National Planning Association, 1958. (A report on the Productive Uses of Nuclear Energy.)

25. Texas Eastern Transmission Corporation, Competition and Growth in American Energy Markets, 1947-1985. Southern National Bank Building, P. O. Box 2521, Houston, Texas, 1968.

26. Weeks, Lewis G., "The Next Hundred Years Energy Demand & Sources of Supply," GeoTimes, Vol. V, No. 1, July-August 1960, American Geological Institute, 2101 Constitution Ave., NW, Washington, D. C. (Available from Walter J. Johnson, Inc., 111 Fifth Ave., New York, N.Y. 10003.)

27. Jones, Herschel, "Electric Energy," in "Projection of 1975 Materials Demand," by Arnold C. Harberger, Resources for Freedom, Vol. II, The Outlook for Key Commodities. Washington, D.C., U.S. Government Printing Office, 1952, Chapter 22, Part I. (A Report to the President by the President's Materials Policy Commission. Sometimes referred to as the "Paley Report.")

28. Vogely, William A. and Warren E. Morrison, "Pattern of Consumption in the United States 1947 to 1965 and 1980 Projected," 15th Sectional Meeting of the World Power Conference, Vol. I, Transactions. Tokyo, Japan, Japanese National Committee, World Power Conference, 1966. (Available from Japan Power Association, Daido Building, 1-7-13, Nishishinbashi, Minato-ku, Tokyo, Japan.)

29. Cambel, Ali Bulent and others, Energy R & D and National Progress, Washington, D. C., U. S. Government Printing Office, 1965. (A report presented on June 5, 1964, by the Energy Study Group to Dr. Donald F. Hornig, Chairman, Interdepartmental Energy Study.)

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31. Report of the National Fuels and Energy Study Group on Assessment of Available Information on Energy in the United States, Committee on Interior and Insular Affairs, United States Senate, September 1962.

32. United States Petroleum Through 1980, United States Department of Interior, Office of Oil and Gas, July 1968.

33. Forecast of Growth of Nuclear Power, WASH-1084, United States Atomic Energy Commission, Division of Operations Analysis & Forecasting, 1967.

34. Gas Utility and Pipeline Industry Projections 1968-1962, 1975, 1980 and 1985, Department of Statistics, American Gas Association

35. Future Natural Gas Requirements of the United States, Future Requirements Agency, Denver Research Inst., University of Denver, Vol 2, June 1967. (Under the auspices of the Gas Industry Committee)

36. National Power Survey, Federal Power Commission, 1964, U. S. Government Printing Office.

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39. Strout, Alan M., Technological Change and United States Energy Consumption, 1939-1954, (Unpublished thesis, Energy projection portion of the thesis), University of Chicago.

40. Outlook for Energy in the United States, Energy Division, The Chase Manhattan Bank, N.A., October 1968.

41. MacAvoy, Paul W., Economic Strategy for Developing Nuclear Reactors, Massachusetts Institute of Technology Press, 1969.

42. Searl, Milton F., Fossil Fuels in the Future, Office of Operations Analysis and Forecasting, United States Atomic Energy Commission, 1960.

43. Projections of the Consumption of Commodities Producible on the Public Lands of the United States 1980-2000, Prepared for the Public Land Law Review Commission, Robert R. Nathan Associates, Inc., Washington, D. C., May 1968.

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MANAGEMENT DESCRIPTORS FOR FUEL AND ENERGY INFORMATION

For the purposes of this document and also for possible future work utilizing an automatic information retrieval system, the information received from each organization was categorized according to a set of management information descriptors. The descriptors were selected in accordance with the following assumptions:

1. The primary users of the information will be management personnel who are concerned with the future resources of the country in the fuel and energy area.

2. The principal concern of those persons using the system will be in forecasts of fuel supplies, energy supplies, and the utilization of both in stationary sources and motor vehicles.

3. Secondary areas of interest to those using the system will be those associated factors such as new or improved energy conversion techniques, newly developed fuels, etc., which may substantially affect the nation's fuel and energy utilization.

4. The system is not designed as a technical information library for use in research, university studies, etc., but rather to provide NAPCA managers, upon request, a list of available documents together with abstracts which pertain to specific fuel and energy management requirements. These indicated documents may then be obtained through technical library channels. With the above in mind, descriptors were selected in order to place primary emphasis on resources, supplies, and associated techniques. The complete set of descriptors is presented in Table V. Definitions or explanations for those terms which may not be immediately obvious are discussed following the Table.

TABLE V

PRELIMINARY FUEL AND ENERGY INFORMATION DESCRIPTOR LIST

Organization Classification

U. S. Federal
State
Independent
(Industrial)

Fuel and Energy Classification

Coal
Petroleum
Natural Gas
Hydro Energy
Nuclear Energy
Electrical Energy
Others

Principal Content of the Information

Resources	Fuel and energy cycle
Production	
By-products	
Supply	
Storage	
Transportation	
Applications	
Markets	
Waste products and pollution	
Economics	
Management	
Research	

Types of Information

Theoretical
Experimental
Operational
Review
Instructions
Data compilation
Policy
Planning
Information exchange

SPECIFIC DESCRIPTOR DEFINITIONS

Organization Classification

State governmental - All state and local governmental jurisdictions

Independent - Industry associations and not-for-profit research organizations

Industrial - Profit-making corporations and publicly owned utilities

Fuel and Energy Classification

Electrical Energy - Electricity in general without reference to the manner in which it was generated

Others - Solar energy, energy conversion, etc.

Principal Content of the Information*

Resources - Raw materials prior to their extraction or preparation for use as a prime mover.

Production - Processes which contribute to the conversion of resources into a form for practical application. Specific examples would be petroleum refining, sulfur removal from coal, mining, well-drilling, etc.

By-products - Useable products outside the direct fuel and energy cycle but resulting from some phase of the cycle.

Supply - The quantity and/or availability of fuel or energy after it has undergone one or more phases of production but prior to use.

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*The individual descriptors in this category reflect phases in the fuel and energy cycle from resources through waste products and pollution.

Markets - Any information pertaining to the sale of fuel or energy.

Economics - The financial aspects of any phase of the fuel and energy cycle.

Management - The administrative direction or control of any phase of the fuel and energy cycle.

Research - Study and investigation to improve the efficiency of any phase of the fuel and energy cycle.

Types of Information

Theoretical - A formulation of apparent relationships or underlying principles which have not been confirmed by empirical evidence.

Experimental - Laboratory or pilot plant test results.

Operational - Information obtained as a result of some commercial scale operation in the fuel and energy cycle.

Review - The information generally covers a wide range of the fuel and energy cycle, is general in nature, and rarely presents any previously unavailable information.

Instructions - The information refers to the manner in which a given process is accomplished. It usually does not present research results or new information. Examples would be handbooks, procedural manuals, "how to" publications, etc.

Data compilation - The information consists mainly of raw or statistically processed data or contains a significant amount of such data and does not attempt to draw conclusions or make recommendations based on the completed data.

Policy (including legal) - The emphasis in the information has been placed on policy, regulations, or legal matters.

Planning - The information includes forecasts, future designs, future estimates, etc., on same phase of the fuel and energy cycle.

Information exchange - The publication serves as a vehicle for reporting on the existence of other material or presents such material. This would include publication lists, abstracts, bibliographies, proceedings, etc.

Figure 1 is a generalized flow chart indicating the application of these descriptors to the fuel and energy data base. These fuel and energy descriptors are applied in Appendices I, II, and III to categorize the classes of information available from each defined organization dealing with some phase of fuel and energy. These descriptor applications are summarized in Tables VI, VII, and VIII for Federal, state, and independent organizations, respectively. In Appendix IV, the descriptors are applied to each Federal agency questionnaire to categorize both the fuel and energy information obtained by the questionnaire and the official application. Figures 2, 3 and 4 indicate the relative emphasis placed by Federal, state and independent organizations according to each defined fuel and energy descriptor. The determination of areas of emphasis is based on the published information and, where applicable, the questionnaires produced by each organization.

The foregoing descriptor set is by nature dynamic. It is taken for granted that as the management information system develops, there may be changes in these descriptors. Therefore, the preliminary set of fuel and energy descriptors discussed in this section is presented for review to insure responsiveness to NAPCA requirements.

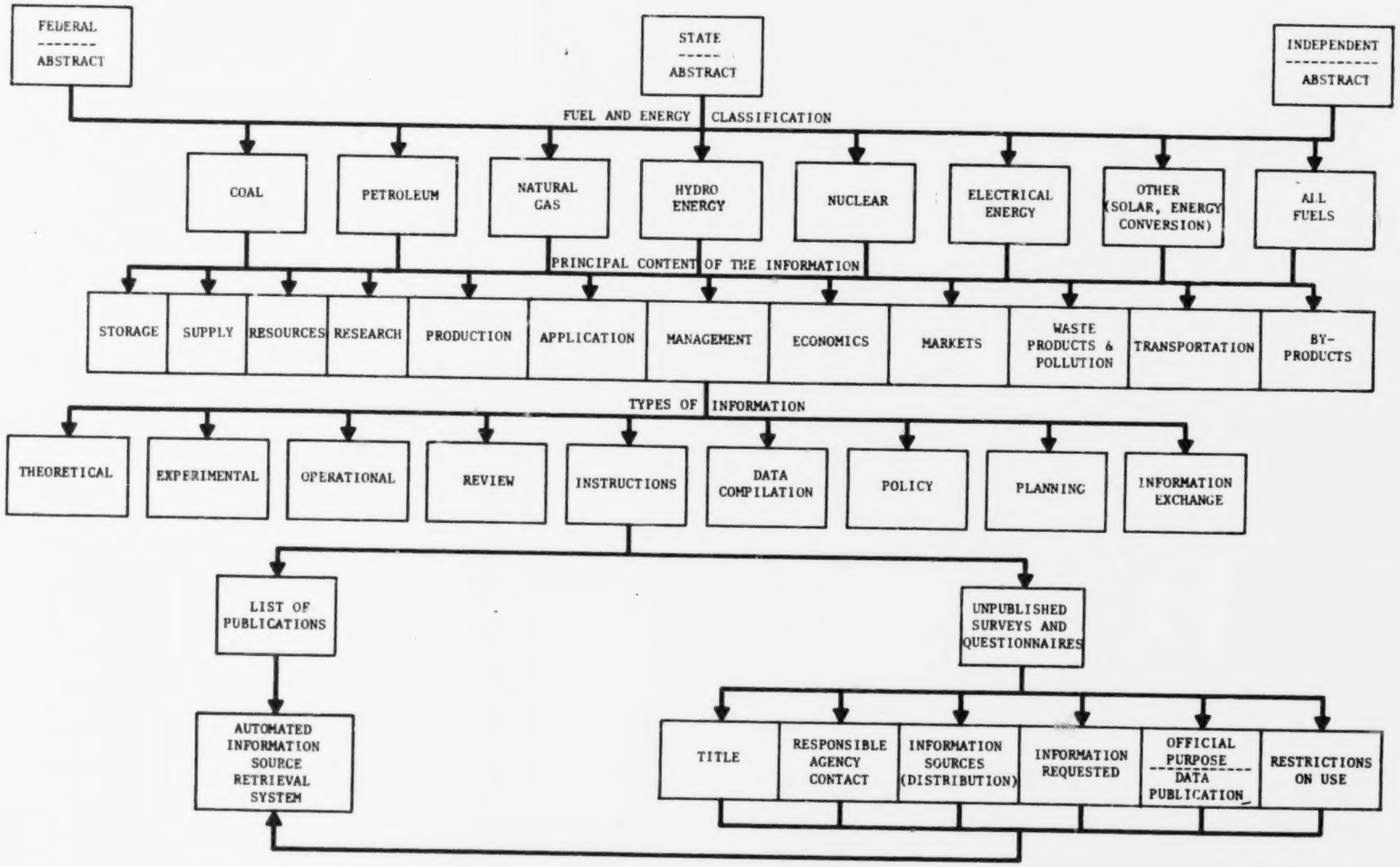
FEDERAL
ABSTRACT
STATE
ABSTRACT
INDEPENDENT
ABSTRACT
FUEL AND ENERGY CLASSIFICATION
COAL
PETROLEUM
NATURAL GAS
HYDRO ENERGY
NUCLEAR
ELECTRICAL ENERGY
OTHER (SOLAR, ENERGY CONVERSION)
ALL FUELS
PRINCIPAL CONTENT OF THE INFORMATION
STORAGE
SUPPLY
RESOURCES
RESEARCH
PRODUCTION
APPLICATION
MANAGEMENT
ECONOMICS
MARKETS
WASTE PRODUCTS & POLLUTION
TRANSPORTATION
BY-PRODUCTS
TYPES OF INFORMATION
THEORETICAL
EXPERIMENTAL
OPERATIONAL
REVIEW
INSTRUCTIONS
DATA COMPILATION
POLICY
PLANNING
INFORMATION EXCHANGE
LIST OF PUBLICATIONS
UNPUBLISHED SURVEYS AND QUESTIONNAIRES
AUTOMATED INFORMATION SOURCE RETRIEVAL SYSTEM
TITLE
RESPONSIBLE AGENCY CONTACT
INFORMATION SOURCES (DISTRIBUTION)
INFORMATION REQUESTED
OFFICIAL PURPOSE
DATA PUBLICATION
RESTRICTIONS ON USE

FIGURE I
FUEL AND ENERGY SOURCE SURVEY

TABLE VI
FUEL AND ENERGY INFORMATION MATRIX FOR FEDERAL ORGANIZATIONS

	PAGE	COAL	ELECTRICAL ENERGY	HYDRO ENERGY	NATURAL GAS	NUCLEAR ENERGY	OTHER	PETROLEUM	APPLICATION	BY-PRODUCTS	ECONOMICS	MANAGEMENT	MARKETS	PRODUCTION	RESEARCH	RESOURCES	STORAGE	SUPPLY	TRANSPORTATION	WASTE PRODUCTS & POLLUTION	DATA COMPILATION	EXPERIMENTAL	INFORMATION EXCHANGE	INSTRUCTIONS	OPERATIONAL	PLANNING	POLICY	REVIEW	THEORETICAL
ALASKA POWER ADMINISTRATION	43	X	X	X	X	X		X	X			X	X	X		X		X	X		X		X		X	X	X		
APPALACHIAN REGIONAL COMMISSION	45	X																		X						X	X		
ATOMIC ENERGY COMMISSION	47					X			X	X			X		X	X		X		X	X	X	X		X	X	X		
BONNEVILLE POWER ADMINISTRATION	49		X	X					X		X	X	X	X			X	X	X		X		X		X	X	X		
BUREAU OF CENSUS	51	X	X	X	X	X	X	X			X		X	X				X			X								
BUREAU OF MINES	53	X			X			X	X		X		X	X	X	X		X		X	X	X	X		X	X	X		
DEPARTMENT OF THE ARMY CORPS OF ENGINEERS	57							X									X		X		X				X		X		
DEFENSE ELECTRIC POWER ADMINISTRATION	59		X									X	X				X	X	X							X	X		
DELAWARE RIVER BASIN COMMISSION	61			X							X	X	X			X		X		X	X		X			X			
FEDERAL POWER COMMISSION	63		X		X			X	X		X	X	X	X				X	X		X		X			X	X		
FEDERAL WATER QUALITY ADMINISTRATION	67			X								X			X					X	X	X	X			X	X		
INTERSTATE COMMERCE COMMISSION	69	X			X			X			X	X				X			X		X		X				X		
INTERSTATE OIL COMPACT COMMISSION	71							X			X	X									X					X	X		
NATIONAL SCIENCE FOUNDATION	73	X	X	X	X	X	X	X							X						X	X	X	X					X
OFFICE OF COAL RESEARCH	75	X							X	X	X		X	X	X						X	X			X	X			
OFFICE OF MINERALS AND SOLID FUELS	77	X				X						X	X	X				X	X		X				X	X	X		
OFFICE OF OIL AND GAS	79				X			X	X		X	X	X	X		X		X			X			X		X	X		
OFFICE OF WATER RESOURCES RESEARCH	81			X											X	X				X	X	X	X	X	X				
OIL IMPORT ADMINISTRATION	83							X				X	X			X		X	X		X					X	X		
SOUTHEASTERN POWER ADMINISTRATION	85		X						X		X	X	X	X		X	X	X	X		X		X		X		X		
SOUTHWESTERN POWER ADMINISTRATION	87		X	X							X	X	X	X		X	X	X	X		X		X		X	X			
TENNESSEE VALLEY AUTHORITY	89		X	X		X				X	X		X	X		X		X		X	X	X	X		X	X			
UNITED STATES GEOLOGICAL SURVEY	91	X		X	X	X		X			X				X	X					X		X			X	X		

TABLE VII
FUEL AND ENERGY INFORMATION MATRIX FOR THE STATE ORGANIZATIONS

STATE	PAGE	COAL	ELECTRICAL ENERGY	HYDRO ENERGY	NATURAL GAS	NUCLEAR ENERGY	OTHER	PETROLEUM	APPLICATION	BY-PRODUCTS	ECONOMICS	MANAGEMENT	MARKETS	PRODUCTION	RESEARCH	RESOURCES	STORAGE	SUPPLY	TRANSPORTATION	WASTE PRODUCTS & POLLUTION	DATA COMPILATION	EXPERIMENTAL	INFORMATION EXCHANGE	INSTRUCTIONS	OPERATIONAL	PLANNING	POLICY	REVIEW	THEORETICAL
ALABAMA	97	x			x	x		x						x	x	x					x			x		x			
ALASKA	98	x				x		x						x		x					x			x					
ARIZONA	99	x			x	x		x						x		x					x			x					
ARKANSAS	100	x			x			x						x		x					x			x					
CALIFORNIA	101	x			x	x		x						x		x					x			x		x	x		
COLORADO	102	x				x		x						x		x					x			x					
CONNECTICUT	103																												
DELAWARE	104																												
FLORIDA	105							x													x			x	x				
GEORGIA	106	x	x		x	x		x													x	x		x	x	x	x		
HAWAII	107																												
IDAHO	108	x	x		x	x								x		x				x	x			x			x		
ILLINOIS	109	x			x			x						x	x	x						x		x	x	x	x		
INDIANA	110	x			x			x						x		x					x			x	x		x		
IOWA	111	x	x		x			x						x	x						x			x	x		x		
KANSAS	112				x	x		x													x			x			x		
KENTUCKY	113	x			x			x						x		x								x			x		
LOUISIANA	114				x			x						x		x					x			x			x		
MAINE	115																												
MARYLAND	116																												
MICHIGAN	117				x			x						x		x					x			x		x	x		
MINNESOTA	118																												
MISSISSIPPI	119				x			x						x		x					x			x			x		
MISSOURI	120	x			x			x						x	x	x					x	x		x	x				x
MONTANA	121				x	x		x								x				x	x			x		x			
NEBRASKA	122	x	x		x	x										x					x			x			x		
NEVADA	123				x	x		x							x	x					x	x		x	x				x
NEW HAMPSHIRE	124																												
NEW JERSEY	125			x		x			x		x					x					x			x					x
NEW MEXICO	126		x	x		x										x				x	x	x		x	x	x			x
NEW YORK	127	x		x	x			x	x										x	x	x			x	x	x	x		
NORTH CAROLINA	128	x						x						x		x					x		x	x					
NORTH DAKOTA	129	x			x			x						x	x				x		x			x			x		
OHIO	130	x			x			x		x						x			x		x			x		x			
OKLAHOMA	131	x			x			x								x				x	x			x					
OREGON	132	x			x			x								x					x			x			x		
PENNSYLVANIA	133	x			x	x		x	x						x	x					x			x		x	x		
SOUTH CAROLINA	134					x										x					x			x			x		
SOUTH DAKOTA	135	x			x	x		x							x	x				x	x			x		x			
TENNESSEE	136	x			x			x							x	x					x	x		x	x				
TEXAS	137				x	x		x							x	x				x	x			x	x			x	
UTAH	138				x			x	x						x	x				x	x			x			x		
VERMONT	139																												
VIRGINIA	140			x		x		x																x		x			
WASHINGTON	141		x		x	x		x								x					x			x			x		
WEST VIRGINIA	142	x			x			x													x			x			x		
WISCONSIN	143																												
WYOMING	144	x			x	x		x						x		x					x			x		x			

TABLE VIII
FUEL AND ENERGY INFORMATION MATRIX FOR INDEPENDENT ORGANIZATIONS

	PAGE	COAL	ELECTRICAL ENERGY	HYDRO ENERGY	NATURAL GAS	NUCLEAR ENERGY	OTHER	PETROLEUM	APPLICATION	BY-PRODUCTS	ECONOMICS	MANAGEMENT	MARKETS	PRODUCTION	RESEARCH	RESOURCES	STORAGE	SUPPLY	TRANSPORTATION	WASTE PRODUCTS & POLLUTION	DATA COMPILATION	EXPERIMENTAL	INFORMATION EXCHANGE	INSTRUCTIONS	OPERATIONAL	PLANNING	POLICY	SAFETY	THEORETICAL
AIR POLLUTION CONTROL ASSOCIATION	149	X			X			X												X		X						X	X
AMERICAN CHEMICAL SOCIETY	151	X	X	X	X	X	X	X	X	X				X	X					X		X	X	X	X				X
AMERICAN GAS ASSOCIATION	153				X				X		X		X		X				X		X	X			X		X	X	X
AMERICAN INSTITUTE OF CHEMICAL ENGINEERS	155	X	X	X	X	X	X	X	X														X						
AMERICAN INSTITUTE OF MINING METALLURGICAL & PETROLEUM ENGINEERS	157	X									X			X	X			X					X						
AMERICAN NUCLEAR SOCIETY	159					X			X					X								X							X
AMERICAN PETROLEUM INSTITUTE	161						X				X		X							X	X	X	X	X	X		X		
AMERICAN POWER CONFERENCE	163	X	X	X		X			X							X			X	X		X			X	X	X		
AMERICAN SOCIETY OF MECHANICAL ENGINEERS	165	X	X	X	X	X	X	X	X		X					X			X	X		X		X	X		X	X	
ATOMIC INDUSTRIAL FORUM	167					X			X		X					X					X							X	
BITUMINOUS COAL RESEARCH, INC.	169	X							X					X	X	X			X			X			X				
COLORADO SCHOOL OF MINES	171	X						X								X					X		X						
EDISON ELECTRIC INSTITUTE	173	X	X	X	X	X	X	X			X		X			X					X								
INSTITUTE OF ELECTRICAL AND ELECTRONICS ENGINEER	175		X												X								X						
INSTITUTE OF GAS TECHNOLOGY	177	X			X				X				X		X	X						X					X	X	
JOHNS HOPKINS UNIVERSITY PRESS	179				X			X			X					X								X			X		
KANSAS STATE UNIVERSITY ENGINEERING EXPERIMENT STATION	181					X									X							X							
LAWRENCE RADIATION LABORATORY	183					X									X							X							X
NATIONAL ACADEMY OF SCIENCE	185	X	X	X	X	X	X	X	X			X			X								X			X		X	X
NATIONAL COAL ASSOCIATION	187	X							X		X	X	X		X	X			X	X	X				X			X	
NATIONAL OIL FUEL INSTITUTE	189							X	X		X		X							X	X	X		X				X	
NATIONAL PETROLEUM COUNCIL	191				X			X				X		X		X			X		X				X		X	X	
NATIONAL RESOURCES ANALYSIS CENTER	193	X	X		X	X		X	X	X				X		X		X			X		X		X	X			
NATIONAL GAS PROCESSORS ASSOCIATION	194				X								X	X	X	X			X		X	X			X				
NATURAL RESOURCES RESEARCH INSTITUTE, UNIVERSITY OF WYOMING	197	X	X	X	X	X	X	X								X					X	X							
PENNSYLVANIA STATE UNIVERSITY PETROLEUM REFINING LABORATORY	199							X							X							X							X
POWER INFORMATION CENTER UNIVERSITY OF PENNSYLVANIA	201					X	X								X								X						
RESOURCES OF THE FUTURE	203	X	X	X	X	X	X	X			X				X						X		X			X			
SOLAR ENERGY SOCIETY, ARIZONA STATE UNIVERSITY	205						X								X							X	X						X
THE GROUP TO ADVANCE TOTAL ENERGY, SOUTHWEST RESEARCH INSTITUTE	207				X				X		X		X		X							X		X			X		
WEST VIRGINIA UNIVERSITY, COAL RESEARCH BUREAU	209	X									X		X	X	X				X		X	X							

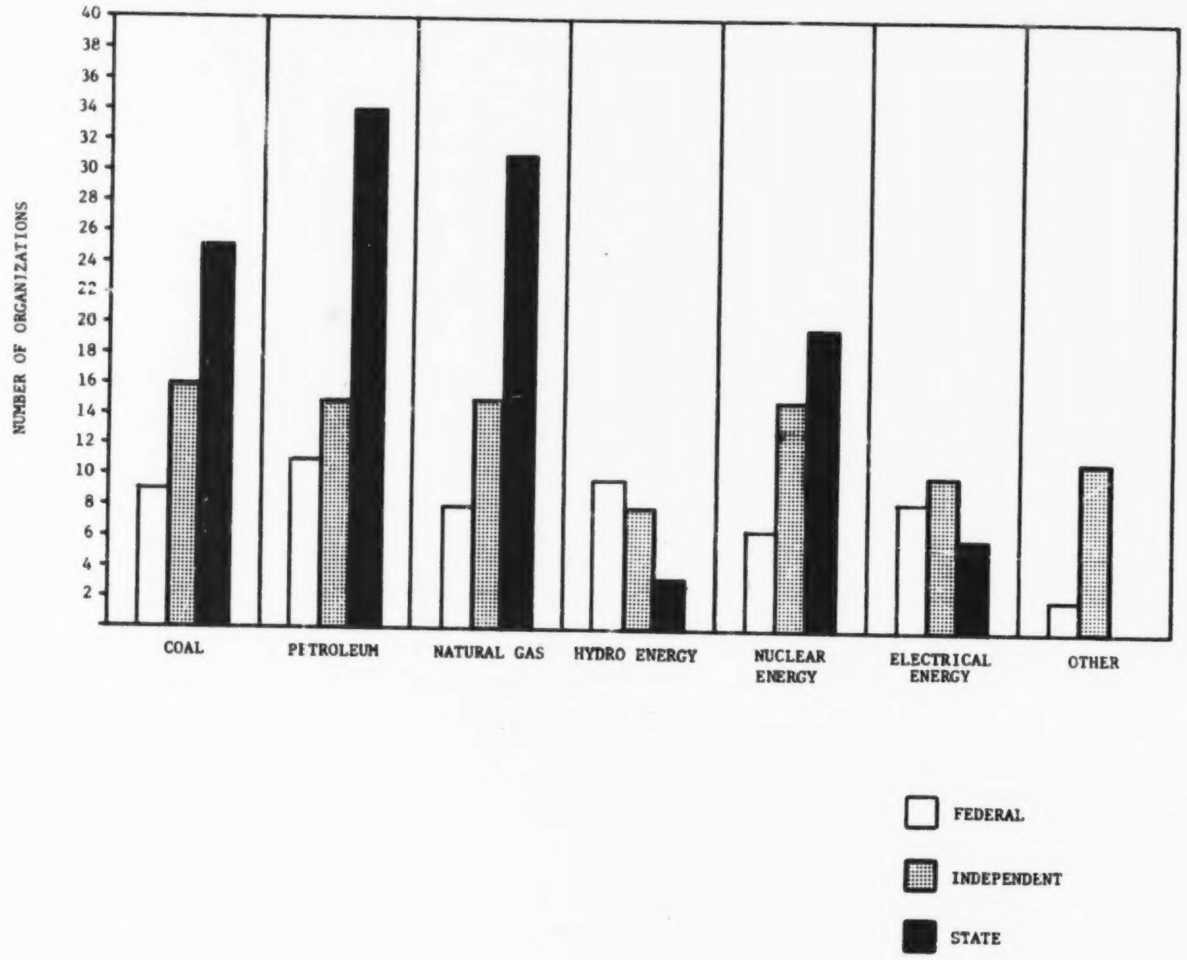

FIGURE 2
FUEL AND ENERGY CLASSIFICATION

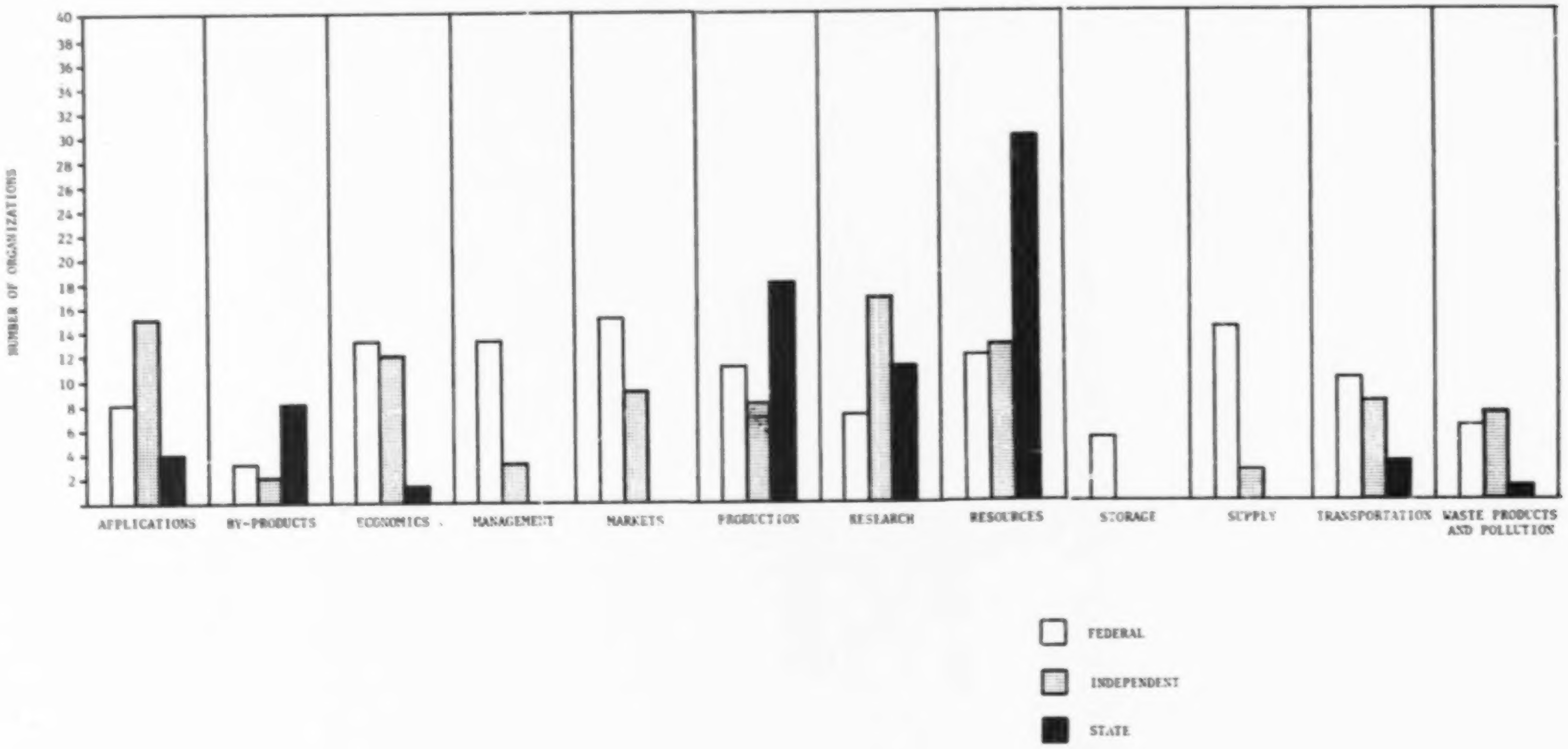

FIGURE 3
PRINCIPAL CONTENT OF INFORMATION

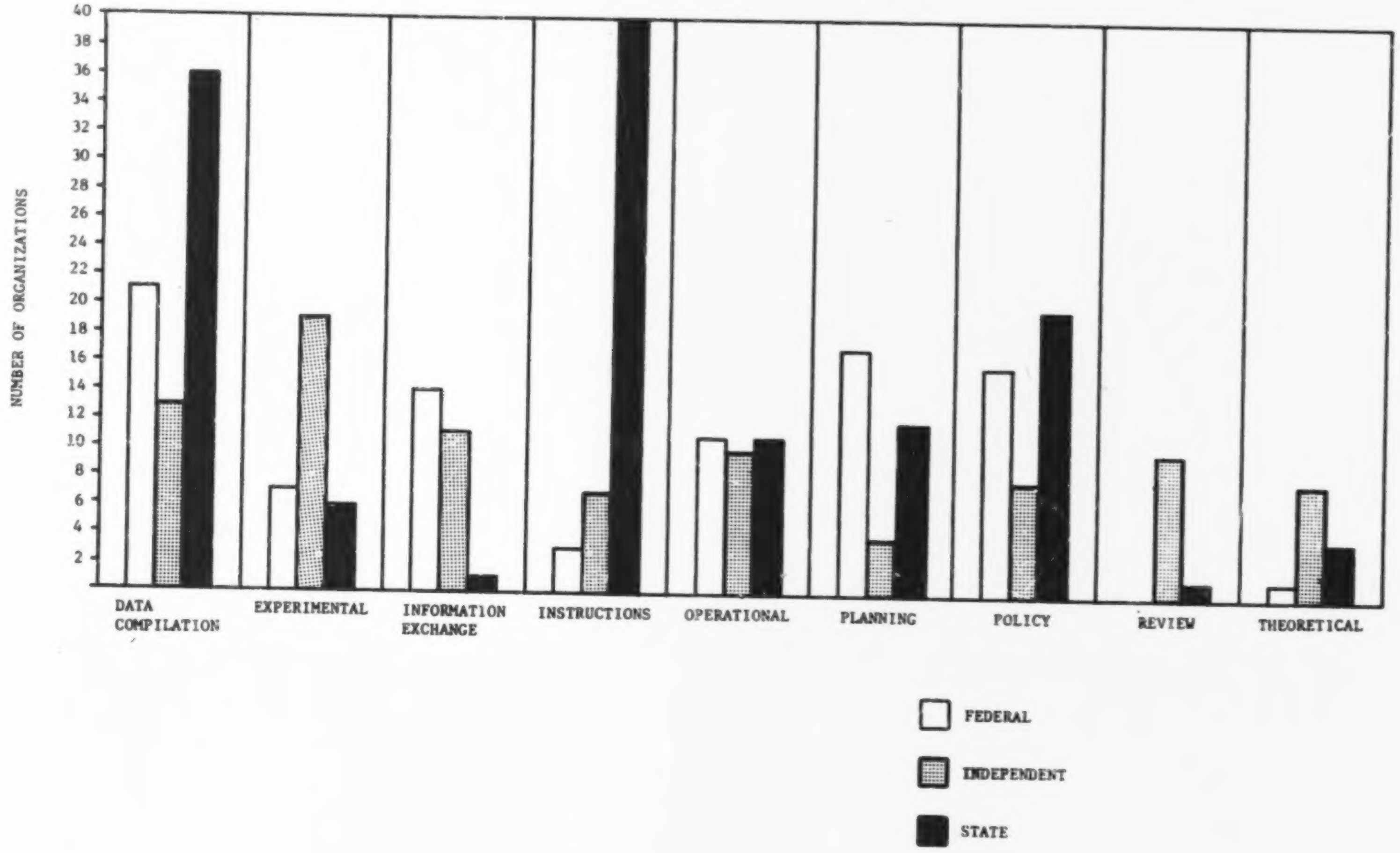

FIGURE 4
TYPE OF INFORMATION

APPENDIX I

FEDERAL AGENCY ABSTRACTS

This appendix presents abstracts of all Federal agencies which have been identified as sources of information pertinent to the fuel and energy survey. The information descriptors have been explained in the body of this report.

APPENDIX I

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AGENCY ABSTRACT

Organization Title: Alaska Power Administration

Address: P. O. Box 50, Juneau, Alaska 99801

Phone: (907) 586-7405

Functional Abstract:

Promotes the development and utilization of the fuel and energy resources of Alaska.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	applications	data compilation
Hydro Energy	management	information exchange
Natural Gas	markets	operational
Nuclear Energy	production	planning
Petroleum	resources	policy
	supply	
	transportation	

INFORMATION

Published

Approximate number of fuel and energy publications 50

Types of fuel and energy publications:

- Alaska Power Administration Publications List
- Bulletins
- Reports
- Circulars
- Reports of Investigations
- Maps

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Appalachian Regional Commission

Address:
1666 Connecticut Avenue, N.W.
Washington, D. C. 20235

Phone: (202) 967-3237

Functional Abstract:

Established by the Appalachian Regional Development Act of 1965 to develop plans for and coordinate the comprehensive programs for regional economic development authorized by the Act.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	waste products and pollution	planning policy

INFORMATION

Published

No reports directly related to fuel and energy sources. However, the following publications contain some references to land reclamation from mining damage, sewage treatment, etc.:

The Appalachian Regional Commission Annual Report

The Appalachian Regional Commission Code Book

Appalachia (monthly technical journal)

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - None

AGENCY ABSTRACT

Organization Title: Atomic Energy Commission

Address: U.S. Atomic Energy Commission, Division of Technical Information
Exchange, P. O. Box 62, Oak Ridge, Tennessee 37830

Phone: (615) 483-8611

Functional Abstract:

Responsible for the development, use, and control of atomic energy.

Functions as both an operating and regulatory agency.

Conducts research and development in application of atomic energy for defense and for peaceful uses in medicine, industry, and agriculture.

Sponsors programs of basic research.

Regulates the private atomic energy industry under a licensing system in the interest of public health and safety.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Nuclear - Energy	applications	data compilation
	by-products	experimental
	markets	information exchange
	research	operational
	resources	planning
	supply	policy
	waste products and pollution	

INFORMATION

Published

Approximate number of fuel and energy publications 2,000

Types of fuel and energy publications:

- Nuclear Science Abstracts
- Brochures
- Pamphlets
- Booklets

Unpublished (R=Research, Q=Questionnaire)

R - Atomic energy application for electrical power generation

Q - Atomic Energy Commission

1. Electric Power-Actual Usage and Estimated Annual Requirements (Annual)
2. Nuclear Manpower Requirements in Utilities

AGENCY ABSTRACT

Organization Title: Bonneville Power Administration

Address: 1002 N.E. Holladay Street, Portland, Oregon 97208

Phone: (503) 234-3361

Functional Abstract:

Generates and markets electrical energy from Federal hydroelectric projects in the Pacific Northwest.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical Energy	applications	data compilation
Hydro Energy	economics	information exchange
	management	operational
	markets	planning
	production	policy
	resources	
	storage	
	supply	
	transportation	

INFORMATION

Published

Approximate number of fuel and energy publications 10

Types of fuel and energy publications:

Annual Report, U.S. Department of Interior, Bonneville Power Administration
Water Study of the Northwest
Review of Power Planning in the Pacific Northwest

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Bureau of the Census

Address: U. S. Department of Commerce, Washington, D. C. 20233

Phone: (301) 440-7203

Functional Abstract:

Collects and compiles statistical information about the United States pertaining to population, housing, agriculture, irrigation, drainage, distribution and services, construction and housing, foreign trade, government, manufacturing and mineral industries, and transportation. The authority for these collection activities are included in Title 13 of the U. S. Code.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
All Fuels and Energy	production supply markets economics	data compilation

INFORMATION

Published

Approximate number of fuel and energy publications 20

Types of fuel and energy documents:

Annual Survey of Manufacturers
Preliminary Reports - Census of Mineral Industries
Current Industrial Reports
Bureau of the Census Catalog

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - Bureau of the Census

1. Mining Machinery Shipments, Domestic and Export (annual)
2. Steel Power Boilers (annual)
3. Lumber Production and Stocks (annual)
4. Atomic Energy Products and Services (annual)

AGENCY ABSTRACT

Organization Title: Bureau of Mines

Address: 1901 North Fort Myer Drive, Arlington, Virginia

Phone: (202) 557-4123

Functional Abstract:

Conducts programs designed to conserve and develop U. S. mineral resources and to promote safety in the mineral industries.

Maintains Federal research and information capability in the processing and use of essential minerals and fossil fuels.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	applications	data compilation
Natural Gas	economics	experimental
Petroleum	markets	information exchange
	production	operational
	research	planning
	resources	policy
	supply	processes
	waste products	

INFORMATION

Published

Approximate number of fuel and energy publications	10,500

Types of fuel and energy publications:

- Bulletins
- Technical Papers
- Circulars
- Reports of Investigations
- Minerals Yearbook
- Handbooks
- Reports (annual, periodical, manuscripts)
- Charts
- Maps
- Mineral Industry Surveys
- Pamphlets

Unpublished (R=Research, Q=Questionnaire)

R - Metallurgy, mining, explosives, petroleum and natural gas chemistry; petroleum extractive techniques; fuel conversion technology; petroleum and natural gas products; coal preparation and conversion technology

Q - See following pages.

LIST OF QUESTIONNAIRES

Bureau of Mines

Coal

1. Availability of Bituminous Coal, By Sulfur Content In The Appalachian Region In 1967, Form 6-1418-X
2. Bituminous Coal and Lignite Production and Mine Operation, Calendar 1969, Form 6-1401-A
3. Coke and Coal Chemical Materials, Form 6-1365-M
4. Distribution of Bituminous Coal and Lignite Shipments, Form 6-1419-Q
5. Distribution of Pennsylvania Anthracite For The Coal Year April 1969 to March 31, 1970-Form 6-1392-A
6. Injuries and Employment, Bituminous Coal And Lignite Mines, From 6-1423-AM
7. Monthly Coal Report, Form 6-1400-M
8. Peat in 196___, Form 6-1391-A
9. Pennsylvania Anthracite Production 1969, Form 6-1385-A
10. Pennsylvania Anthracite Production Contractors' Report 1969, Form 6-1387-A
11. Pennsylvania Anthracite Production, Mines Without Preparation Plants 1969, Form 6-1386-A.
12. Pennsylvania Anthracite Production, River Coal Report, Form 6-1388-A
13. Pyrites, Form 6-1236-A

Natural Gas

14. Carbon Black (From Natural Gas And Petroleum Hydrocarbons), Form 6-1342-A
15. Natural Gas Processing Plant Report, Form 6-1305-M
16. Natural Gas Processing Report, Form 6-1343-A

17. Products Pipeline Report, Form 6-1303-M

18. Supply and Disposition of Natural Gas, Form 6-1341-A

19. Supply and Disposition of Natural Gas, (Non-Producing Distributor's Report) Form 6-1340-A

Petroleum

20 Bulk Terminal Stocks of Finished Petroleum Products Form 6-1302-M

21. Capacity of Petroleum Refineries, Form 6-1334-A

22. Crude Petroleum Gathered From Leases in Selected States, Form 6-1309-M

23. Crude Oil Stocks, Form 6-1311-M

24. Fuel Consumed For All Purposes At Refineries Form 6-1335-A

25. Fuel Oil and Kerosene Sales And Inventories, Form 6-1337-A

26 Crude Oil Pipeline And Storage Survey, Form 6-1325-T

27. Monthly Tanker and Barge Shipments of Crude Petroleum And Products From P.A.D. District III, Form 6-1308-M

28. Petroleum Supply And Demand Report District 5, Month of __________ Form 6-1320-M

29. Production of "Other Finished Products" At Petroleum Refineries, Form 6-1336-A

30. Refinery Report, Form 6-1300-M

31. Sales Of Liquefied Petroleum Gases, Form 6-1345-A

32. Sales To Trade And Own Use of Petroleum Products-District 5, Month of __________, Form 6-1321-M

33. Shipments of Aviation Fuel, Form 6-1301-A

34. Value at Wells of Crude Oil Purchased, Form 6-1326-A

AGENCY ABSTRACT

Organization Title: Department of the Army, Corps of Engineers
Board of Engineers for Rivers and Harbors

Address: 2nd and Q Streets, S.W., Washington, D. C. 20024

Phone: (202) 697-7408

Functional Abstract:

Regulates construction and operating activities at harbors, ports, docks and port storage facilities in support of inland waterway transportation and commerce.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	transportation storage	data compilation policy operational

INFORMATION

Published

Technical Reports

Reviews

Bibliographies

Pamphlets

Port Series

Transportation Series

Waterborne Commerce of the United States

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - Oil Bunkering and Storage Facilities

AGENCY ABSTRACT

Organization Title: Defense Electric Power Administration

Address: Interior Building, Washington, D. C. 20240

Phone: (202) 343-2577

Functional Abstract:

Performs the national emergency preparedness functions covering electric power and, in the event of a civil defense emergency, exercises the authority of the Secretary of Interior with respect to distribution of electric power.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical Energy	management	planning
	markets	policy
	storage	
	supply	
	transportation	

INFORMATION

Published

Approximate number of fuel and energy publications 10

Types of fuel and energy publications:

Electric Power Emergency Operations Handbook
Classified Electric Power Studies for the Office of Civil Defense, Secretary of the Army

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Delaware River Basin Commission

Address: P.O. Box 360, 25 Scotch Road, Trenton, New Jersey 08603

Phone: (609) 883-9500

Functional Abstract:

Responsible for the development and approval of a comprehensive plan for programming, scheduling, and controlling water resource projects and activities within the Delaware River Basin.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Hydro Energy	economics management markets waste products and pollution resources supply	data compilation information exchange planning

INFORMATION

Published

Approximate number of fuel and energy publications 10

Types of fuel and energy publications:

- Reference List of Publications Dealing with the Organization and Operation of the Delaware River Basin Commission
- Technical Reports
- Maps
- Charts
- Bibliographies

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Federal Power Commission

Address: 441 G Street, NW, Washington, D. C.

Phone: (202) 283-5200

Functional Abstract:

Regulates interstate aspects of the electric power and natural gas industries.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical energy	applications	data compilation
Natural gas	economics	information exchange
Petroleum	management	planning
	markets	policy
	production	
	supply	
	transportation	

INFORMATION

Published

Approximate number of fuel and energy publications 100

Types of fuel and energy publications:

- Federal Power Commission Publications List
- FPC Reports, Opinions and Decisions
- Regulations Under the Federal Power and Natural Gas Acts
- Electric and Natural Gas Facility Maps
- Electric Power and Natural Gas Statistics
- National Power Survey - 1964

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - See following page

LIST OF QUESTIONNAIRES

Federal Power Commission

Electric Energy

1. Electric Utilities and Licensees (Classes A and B) Annual Report, Form 1
2. Electric Utilities Monthly Statement of Operating Revenues and Income, Form 5
3. Industrial Electric Generating Capacity, Form 12-C
4. Licensed Project Annual Report, Form 9
5. Monthly Power Plant Report, Form 9
6. Monthly Power Statement, Form 12-E
7. Municipal Electric Utilities, Annual Report, Form 12-M (Having Annual Electric Revenues of $250,000 or More)
8. Power Line and Generating Station Construction Data, Form 12-F
9. 1969 Power System Statement, Form 12
10. Power System Statement For The Year Ended December 31, 1969 [Power Facilities], Form 12-D
11. Power System Statement For The Year Ended December 31, 1969 [Energy Received and Delivered], Form 12-A
12. Public Utilities and Licensees (Classes C and D) Annual Report, Form 1-F
13. Steam-Electric Plant Air and Water Quality Control Data For The Year Ended December 31, ____, Form 67

Natural Gas

14. Natural Gas Companies (Classes A And B) Annual Report, Form 2
15. Natural Gas Companies (Classes C And D) Annual Report, Form 2-A
16. Natural Gas Interstate Pipeline Company Monthly Statement, Form 11

17. Natural Gas Companies Annual Report of Gas Supply, Form 15

18. Total Gas Supply, Annual Report, Form 15-A

AGENCY ABSTRACT

Organization Title: Federal Water Quality Administration

Address: 633 Indiana Avenue, NW, Washington, D.C. 20242

Phone: (202) 963-5503

Functional Abstract:

Responsible for improving the quality of water in United States' streams, lakes, estuaries, and coastal areas to levels which provide adequate supplies for all foreseeable uses.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Hydro-Energy	management research waste products and pollution	data compilation experimental information exchange planning policy

INFORMATION

Published

Approximate number of fuel and energy publication 20

Types of fuel and energy publications:

- Annual Reports
- Compilation of Water Quality Data
- Sewage and Water Works Construction
- Water and Sewer Bond Sales
- Pollution - Caused Fish Kills
- Inventory of Municipal Water Facilities and Inventory of Municipal Waste Facilities

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Interstate Commerce Commission

Address: 12th and Constitution Avenue, N.W., Washington, D. C.

Phone: 737-9765

Functional Abstract:

Regulates carriers engaged in interstate commerce and foreign commerce that takes place within the United States by surface transportation (railroads, freight forwarders, water carriers, oil pipelines, transportation brokers and express agencies). Settles controversies over rates and charges among competing-like modes of transportation. Rules upon applications for mergers, consolidations, acquisition of control and the sale of carriers.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	resources	data compilation
Natural Gas	transportation	policy
Coal	economics	information exchange
	management	

INFORMATION

Published

Approximate number of fuel and energy documents published - 50

Type of documents published:

- Transportation Statistics in the United States (annual)
- Carload Waybill Statistics (annual)
- Transportation Economics
- Freight Commodity Statistics (quarterly)
- Cost of Transporting Freight by Class I and Class II
- Common Motor Carriers of General Commodities

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - Quarterly Report of Freight Commodity Statistics - Railroad
Annual Report of Freight Commodity Statistics
Carriers by Pipeline

AGENCY ABSTRACT

Organization Title: Interstate Oil Compact Commission

Address: Box 53127, Oklahoma City, Okla. 73105

Phone: (405) 525-3556

Functional Abstract:

A commission composed of the officials of Federal and state agencies concerned with oil and gas conservation in 33 oil and gas producing states.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	economics management	policy data compilation planning

INFORMATION

Published

Oil and Gas Compact Bulletin (semiannual)

Compact Comments (monthly)

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: National Science Foundation

Address: 1800 G Street, NW, Washington, D.C. 20550

Phone: (202) 632-5722

Functional Abstract:

Administrates programs and funds to strengthen research and science education in the United States.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
All Fuels and Energy	research	data compilation experimental information exchange instruction theoretical

INFORMATION

Published

Approximate number of fuel and energy publications 20

Types of fuel and energy publications:

- National Science Foundation's List of Publications
- Research Reports
- Annual Report of Grants and Awards

Unpublished (R=Research, Q=Questionnaire)

R - Manages and distributes funds for fuel and energy research

Q - None

AGENCY ABSTRACT

Organization Title: Office of Coal Research

Address: U. S. Department of Interior
18th and C Sts., NW, Washington, D. C. 20240

Phone: (202) 343-5533

Functional Abstract:

Encourages and stimulates the production and conservation of coal in the United States.

Supports the research and development of new and more efficient methods of mining, preparing, and utilizing coal.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	applications	data compilation
	by-products	experimental
	economics	operational
	markets	planning
	production	
	research	

INFORMATION

Published

Approximate number of fuel and energy publications 68

Types of fuel and energy publications:

Contracted Technical Reports

Unpublished (R=Research, Q=Questionnaire)

R - Supports contracted research in coal conversion and potential opportunities for expansion of the coal market.

Q - None

AGENCY ABSTRACT

Organization Title: Office of Minerals and Solid Fuels

Address: U.S. Department of the Interior, 18th & C Sts., NW, Washington, D. C. 20240

Phone: (202) 343-5391

Functional Abstract:

Responsible for planning and programming to provide supplies of metals, minerals and solid fuels adequate for essential civilian and military requirements during periods of national mobilization.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	management	data compilation
Nuclear Energy	markets	operational
	production	policy
	supply	planning
	transportation	

INFORMATION

Published

Approximate number of fuel and energy publications 1

Types of fuel and energy publications:

Emergency Planning Report for Office of Emergency Planning, Executive Office of the President

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Office of Oil and Gas

Address: U. S. Department of Interior, 18th & C Sts., NW, Washington, D.C. 20240

Phone: (202) 343-3831

Functional Abstract:

Serves as the focal point for leadership and information on petroleum matters in the Federal Government and acts as the principal channel of communications between the Federal Government, the petroleum industry, and the oil producing states.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	applications	data compilation
Natural Gas	economics	planning
	management	policy
	markets	instruction
	production	
	supply	
	resources	

INFORMATION

Published

Approximate number of fuel and energy publications 2

Types of fuel and energy publications:

Forecasts of Petroleum Supply and Demand
Emergency Operational Planning and Instructions for the Petroleum and Gas Industries

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Office of Water Resources Research

Address: U.S. Department of Interior, 18th & C Sts., NW, Washington, D.C. 20240

Phone: (202) 343-5975

Functional Abstract:

Provides for promotion and support of research programs and training in the study of water resources and resources which affect water quality and quantity.

Operates a water resources scientific information center for the dissemination of information about water resources developments and research accomplishments.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Hydro Energy	research	data compilation
	resources	experimental
	waste products and pollution	information
		instruction
		operational

INFORMATION

Published

Approximate number of fuel and energy publications 20

Types of fuel and energy publications:

The Water Resources Research Catalog
Research and Training in Water Resources
Water Resources Thesaurus
Bibliography on the Socio-Economic Aspects of Water Resources
Technical Reports on Selected Water Problem Areas
Proceedings of the Water Resources Research Conference

Reports of Research Supported by O.W.R.R. on file in the Department of Interior Library

Unpublished (R=Research, Q=Questionnaire)

R - Supports research in the water resources field

Q - None

AGENCY ABSTRACT

Organization Title: Oil Import Administration

Address: Department of the Interior
18th & C Sts., NW, Washington, D. C. 20240

Phone: (202) 343-6951

Functional Abstract:

Regulates the importation of crude oil, unfinished petroleum, finished petroleum products, and residual fuel oil to be used as fuel.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	management	planning
	markets	policy
	resources	data compilation
	supply	
	transportation	

INFORMATION

Published

Approximate number of fuel and energy publications 100

Types of fuel and energy publications:

Oil Import Totals, monthly

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - Oil Import Administration

1. Residual Fuel Oil (Used as Fuel) Stocks Held at Refineries, Bulk Plants, and Terminals--Non Bonded and Bonded
2. Fuel Oil Stocks Held at Refineries and Bulk Terminals
3. Report of Oil Imports into the United States and Puerto Rico

AGENCY ABSTRACT

Organization Title: Southeastern Power Administration

Address: U.S. Department of the Interior, Elberton, Ga. 30635

Phone: (404) 283-3261

Functional Abstract:

Transmits and markets hydroelectric power and promotes water resources development.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical Energy	applications	data compilation
	economics	information exchange
	management	operational
	markets	policy
	production	
	resources	
	storage	
	supply	
	transportation	

INFORMATION

Published

Approximate number of fuel and energy publications 22

Types of fuel and energy publications:

Annual Report, U.S. Department of Interior, Southeastern Power Administration

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Southwestern Power Administration

Address: U. S. Department of Interior, P.O. Drawer 1619, Tulsa, Oklahoma 74101

Phone: (918) 584- 7477

Functional Abstract:

Transmits and distributes the electric power and energy generated at the Federal reservoir projects in such a manner as to encourage their most widespread and economical use.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical Energy	economics	data compilation
Hydro Energy	management	information exchange
	markets	operational
	production	planning
	resources	
	storage	
	supply	
	transportation	

INFORMATION

Published

Approximate number of fuel and energy publications 4

Types of fuel and energy publications:

Annual Report, U. S. Department of Interior, Southwestern Power Administration

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Tennessee Valley Authority

Address: New Sprankle Building, Knoxville, Tennessee 37902

Phone: (615) 522-7181

Functional Abstract:

Conducts a unified program of resource conservation, development, and use to speed the economic development of the Tennessee Valley region.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical Energy	by-products	data compilation
Hydro Energy	economics	experimental
Nuclear Energy	markets	information exchange
	production	operational
	resources	planning
	supply	
	waste products and pollution	

INFORMATION

Published

Approximate number of fuel and energy publications 200

Types of fuel and energy publications:

Annual Report, Department of the Interior, Tennessee Valley Authority
Scientific and Technical Reports
Books
Annual Bibliographies

Unpublished (R=Research, Q=Questionnaire)

R - Research in the areas of economic development, electrical energy production and distribution, and pollution control.

Q - None

AGENCY ABSTRACT

Organization Title: U. S. Geological Survey

Address: U. S. Department of Interior, 18th & E Sts., NW, Washington, D.C. 20240

Phone: (202) 343-3888

Functional Abstract:

Performs surveys, investigations, and research covering topography, geology, and the mineral and water resources of the United States.

Classifies land as to mineral character, water and power resources.

Furnishes engineering supervision for power permits and Federal Power Commission licenses.

Enforces departmental regulations applicable to oil, gas, and other mining leases.

Administers development contracts and gas storage contracts.

Publishes and disseminates data relative to the foregoing activities.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	economics	data compilation
Hydro energy	research	information exchange
Natural Gas	resources	planning
Nuclear Energy		policy
Petroleum		

INFORMATION

Published

Approximate number of fuel and energy publications* 13,500

Types of fuel and energy publications:

- Annual Reports
- Bulletins
- Circulars
- Mineral Resource Papers
- Monographs
- Professional Papers
- Maps and Charts

Unpublished (R=Research, Q=Questionnaire)

R - Fundamental and Applied Research in the geological sciences and cartography.

Q - 1. Alaska Coal Leasing, Form 9-519
2. Application For Permit To Drill or Plug Back, Form 9-331c
3. Coal Lease Report For Quarter Ending, Form 9-373A
4. Coal License Report for Six-Month Period Ending, Form 9-370
5. Lessee's Monthly Report of Operations, Form 9-329
6. Lessee's Monthly Report of Sales And Royalty, Form 9-361
7. Lessee's Monthly Report of Sales and Royalty Outer Continental Shelf Operations, Form 9-153
8. Log of Prospect Bore Hole, Form 9-1147
9. Monthly Gasoline Plant Report, Form 9-208
10. Monthly Report of Operations Outer Continental Shelf, Form 9-152
11. Production and Royalty Report For (Month, Quarter) Ending, Form 9-368
12. Prospecting Permit Report for (Month, Quarter) Ending, Form 9-375
13. Sundry Notices and Reports on Wells, Form 9-331
14. Sundry Notices and Reports on Wells, Form 9-331A
15. Royalty Statement Federal Land, Form 9-388
16. Well Completion Or Recompletion Report And Log, Form 9-330

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*Note: This total includes the publications of the individual State Geological Surveys. State reports are compiled and included in the List of Publications produced by the U. S. Geological Survey.

APPENDIX II

STATE AGENCY ABSTRACTS

This appendix presents abstracts of all state agencies which have been identified as sources of information pertinent to the fuel and energy survey. The information descriptors pertaining to each of these state agencies are indicated in Table VII of this report.

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AGENCY ABSTRACT

Organization Title: Geological Survey of Alabama

Address: P. O. Drawer O, University of Alabama 35406

Phone: (205) 759-5721

Functional Abstract:

Explores and evaluates the mineral and petroleum resources of Alabama and conducts basic and applied research in these fields.

INFORMATION

Published

Publications of the Geological Survey of Alabama
Bulletins
Professional Papers
Circulars
Maps
Annual Reports
Monographs
Informative Series

Unpublished (R=Research, Q=Questionnaire)

R - Applied research in water, minerals, and petroleum

Q - None

AGENCY ABSTRACT

Organization Title: State of Alaska, Department of Natural Resources, Division of Mines and Geology

Address: Box 4-300 College, Alaska

Phone: (907) 479-2202

Functional Abstract:

Responsible for investigating and reporting the geology of the State of Alaska.

INFORMATION

Published

List of Publications
Annual Report
Bulletins
Circulars
Professional Papers

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Arizona Bureau of Mines, University of Arizona

Address: Tucson, Arizona 85721

Phone: (602) 884-2733

Functional Abstract:

Directs the development, maintenance, and dissemination of information relating to Arizona geology, mining, and metallurgy and the earth sciences.

INFORMATION

Published

List of Available Publications, Arizona Bureau of Mines
Bulletins
Maps

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Arkansas Geological Commission

Address: 446 State Capital, Little Rock, Arkansas 72201

Phone: (501) FR5-4646

Functional Abstract:

Directs the development, maintenance, and dissemination of information relating to Arkansas geology, mining, and earth sciences.

INFORMATION

Published

List of Publications for Sale, Arkansas Geological Commission
Bulletins
Information Circulars
Circulars
Maps

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Division of Mines and Geology, California Department of Conservation

Address: Resources Building, San Francisco, California

Phone: (916) 445-9378

Functional Abstract:

Surpevises the drilling, operation, maintenance, and abondonment of oil and gas wells in California.

Makes investigations to develop information on the physical and economic geology of the state.

Maintains information to assist in the understanding and utilization of the state's geology for the discovery, development, and utilization of its mineral resources.

INFORMATION

Published

Available Publications, California Division of Mines and Geology
Bulletins
Special Reports
Reports of the State Mineralogist
Geologic Quadrangle Maps

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Colorado Geological Survey

Address: 254 Columbia Building, 1845 Sherman Street, Denver, Colorado 80202

Phone: (303) 892-2611

Functional Abstract:

Performs investigations and research pertaining to the mineral resources of Colorado and publishes information relating to this mineral resources research.

INFORMATION

Published

Publications of the Colorado Geological Survey
Bulletins
Circulars
Maps
Reports
Annual Reports

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Connecticut Geological and Natural History Survey

Address: Box 128, Wesleyan Station, Middletown, Connecticut 06457

Phone: (202) 346-0788

Functional Abstract:

Connecticut does not indicate resources that are applicable to this survey.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: Delaware Geological Survey, University of Delaware

Address: 16 Robinson Hall, Newark, Delaware 19711

Phone: (302) 738-2568

Functional Abstract:

Delaware does not indicate resources that are applicable to this survey.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: Bureau of Geology, Florida Board of Conservation

Address: P. O. Box 631, Tallahasse, Florida 32302

Phone: (904) 224-7141

Functional Abstract:

Directs the development, maintenance, and dissemination of information relating to Florida geology, mining, and the earth sciences.

INFORMATION

Published

List of Publications, Bureau of Geology, Florida Board of Conservation
Bulletins
Circulars
Professional Papers

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Department of Mines, Mining, and Geology

Address: 19 Hunter Street, SW, Atlanta, Georgia 30334

Phone: (404) 522-7076

Functional Abstract:

Studies minerals, ores, and additional uses for the mineral resources of Georgia to meet the ever-changing and increasing demands of modern industry.

Explores the possibilities of benefits and of improved treatment and processes to devise new and more appropriate mining procedures.

INFORMATION

Published

Publications of the Geology and Mineral Resources of Georgia
Bulletins
Information Circulars
Circulars
Maps

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Division of Water and Land Development,
Department of Land and Natural Resources

Address: P. O. Box 373, Honolulu, Hawaii 96809

Phone: 808-50511

Functional Abstract:

Hawaii does not indicate natural resources applicable to this study.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: Idaho Bureau of Mines and Geology

Address: Moscow, Idaho 83843

Phone: (208) 882-3732

Functional Abstract:

Assists in the development and utilization of Idaho's mineral resources.

INFORMATION

Published

List of Publications and Maps, Idaho Bureau of Mines and Geology
Maps
Bulletins
Reports
Circulars
Pamphlets

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Illinois State Geological Survey

Address: 121 Natural Resources Building, Urbana, Illinois 61801

Phone: (217) 344-1481

Functional Abstract:

Conducts fundamental and applied research on the mineral resources of Illinois.
Provides information on geology, mineral resources, mineral utilization, and topographic mapping in Illinois.

INFORMATION

Published

List of Publications, Illinois State Geological Survey
Bulletins
Reports of Investigations
Circulars
Petroleum Series
Environmental Geology Notes
Mineral Economics Briefs
Maps
Reports

Unpublished (R=Research, Q=Questionnaire)

R - Performs inhouse research in the production and utilization of petroleum, natural gas, and coal.

Q - None

AGENCY ABSTRACT

Organization Title: Department of Natural Resources Geological Survey

Address: 611 N. Walnut Grave, Bloomington, Indiana 47401

Phone: (812) 337-7636

Functional Abstract:

Collects, interprets, and reports information on basic geologic features and products (coal, petroleum, and natural gas) of Indiana.

INFORMATION

Published

Geological Publications of Indiana
Bulletins
Circulars
Directories
Field Conference Guidebooks
Mineral Economic Series
Reports of Progress
Special Reports
Annual Report

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Iowa Geological Survey, Geological Survey Building

Address: 16 West Jefferson Street, Iowa City, Iowa 52240

Phone: (319) 338-1173

Functional Abstract:

Collects, interprets, and reports information on basic geologic features and products (water supply, coal) of the state. Also performs studies in an effort to discover oil and natural gas.

INFORMATION

Published

Iowa Geological Survey, Annual Report
List of Publications
Annual Reports
Bulletins
Technical Papers
Maps

Unpublished (R=Research, Q=Questionnaire)

R - In coal operations

Q - None

AGENCY ABSTRACT

Organization Title: State Geological Survey of Kansas

Address: The University of Kansas, Lawrence, Kansas 66044

Phone: (913) 864-3101

Functional Abstract:

Promotes the maximum utilization of the natural resources of Kansas.

INFORMATION

Published

List of Publications, State Geological Survey of Kansas
Reports
Bulletins
Circulars
Annual Reports

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Kentucky Geological Survey

Address: University of Kentucky, Mineral Industries Building, Lexington,
Kentucky 40506

Phone: (606) 258-9000

Functional Abstract:

Performs basic and applied research on Kentucky's geology and mineral resources.

Compiles and disseminates the resultant data.

INFORMATION

Published

List of Publications
Maps
Bulletins
Reports of Investigation
Circulars

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Louisiana Geological Survey

Address: Box G, University Station, Baton Rouge, Louisiana 70803

Phone: (504) 348-2201

Functional Abstract:

Promotes the maximum utilization of the mineral resources of Louisiana.

INFORMATION

Published

List of Publications
bulletins
reports
circulars
annual reports

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Maine Geological Survey

Address: State Office Building, Room 211, Augusta, Maine 04330

Phone: (207) 623-4511

Functional Abstract:

Maine does not indicate resources that are applicable to this survey.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: Maryland Geological Survey

Address: 214 Lathroke Hall, JohnsHopkins University, Baltimore, Maryland
21218

Phone: (301) 235-0771

Functional Abstract:

Maryland does not indicate resources that are applicable to this survey.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: Department of Natural Resources, Geological Survey Division, Michigan

Address: Stevens T. Mason Building, Lansing, Michigan 48926

Phone: (517) 373-1256

Functional Abstract:

Directs the development and production of the mineral resources of Michigan.

Collects geological and engineering data on Michigan's mineral resources.

INFORMATION

Published

Available Publications of the Geological Survey
Bulletins
Report of Investigation
Circulars
Progress Reports
Maps

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Minnesota Geological Survey

Address: University of Minnesota, Minneapolis, Minnesota 55455

Phone: (612) 373-3372

Functional Abstract:

Functions of organization are not applicable to the fuel and energy survey.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: Mississippi Geological, Economic, and Topographical Survey

Address: Drawer 4915, Jackson, Mississippi 39216

Phone: (601) 362-1056

Functional Abstract:

Assists in the development and utilization of the mineral resources of Mississippi.

INFORMATION

Published

List of Publications
Reports
Bulletins
Maps

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Missouri Geological Survey and Water Resources

Address: Box 250, Rollo, Missouri 65401

Phone:

Functional Abstract:

Performs surveys of the state by examination, records, and investigation of rock, mineral, water, gas and oil resources, and publishes associated information.

INFORMATION

Published

List of Publications
Reports
Circulars
Educational Series
Information Circular

Unpublished (R=Research, Q=Questionnaire)

R - Theoretical and experimental research in petroleum, natural gas, and coal.

Q - None

AGENCY ABSTRACT

Organization Title: Montana Bureau of Mines and Geology

Address: Montana College of Mineral Science and Technology, Butte,
Montana 59701

Phone: (406) 792-8321

Functional Abstract:

Disseminates information concerning the geology, mineral resources, and the ground water occurrences of the state.

INFORMATION

Published

Publications of Montana Bureau of Mines and Geology 1919-1969
Preliminary Index of Unpublished Geologic Studies in Montana
Memoirs - Highly technical information on basic science
Bulletins - Less technical information on applied science
Information Circulars
Reprints
Special Publications - Miscellaneous information on subjects related to the mineral industries and not necessarily of a technical nature.

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Conservation and Survey Division, University of Nebraska

Address: 113 Nebraska Hall, Lincoln, Nebraska 68508

Phone: (402) 477-8711

Functional Abstract:

Investigates and reports on the geology of Nebraska including mineral resources such as uranium, petroleum,natural gas, non-mineral and hydroelectric power.

INFORMATION

Published

List of Publications
Bulletins
Annual Reports
Circulars

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Nevada Bureau of Mines

Address: University of Nevada, Reno, Nevada 87507

Phone: (702) 784-6887

Functional Abstract:

Assists in the development and utilization of Nevada's mineral resources.

Identifies, analyzes and evaluates minerals, rocks, and ores found in Nevada.

Conducts field studies on Nevada geology and mineral deposits, including oil and gas, and pursues research in mineral benefaction.

INFORMATION

Published

Publications of the Nevada Bureau of Mines and Associated Organizations
Bulletins
Reports
Maps
Professional Papers

Unpublished (R=Research, Q=Questionnaire)

R - In minerals, natural gas and petroleum

Q - None

AGENCY ABSTRACT

Organization Title: Department of Resources and Economic Development, Geology Branch (New Hampshire)

Address: Durham, New Hampshire 03824

Phone: (603) 868-5511

Functional Abstract:

New Hampshire does not indicate resources applicable to this study.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: New Jersey Bureau of Geology and Topography

Address: John Fitch Plaza, Room 709, P.O. Box 1889, Trenton,
New Jersey 08625

Phone: (609) 292-2576

Functional Abstract:

Assists in the development and utilization of the mineral resources of New Jersey and publishes associated information.

INFORMATION

Published

Maps of the New Jersey Bureau of Geology and Topography
Reports of the State Geologist
Bulletins
Geologic Report Series

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: New Mexico Bureau of Mines and Mineral Resources

Address: Campus Station, Socorro, New Mexico 87801

Phone: (505) 835-5272

Functional Abstract:

Responsible for investigating, studying, and reporting on the geology of New Mexico, including all types of mineral resources, such as uranium, oil and gas, coal, metallic and nonmetallic minerals, and ground water.

Contributes to the exploration and development of New Mexico and supports applied research aiding industrial growth.

INFORMATION

Published

Publications for Sale by State Bureau of Mines and Mineral Resources
Bulletins
Circulars
Annual Reports
Maps
Professional Papers
Charts

Unpublished (R=Research, Q=Questionnaire)

R - On petroleum, natural gas and nuclear energy sources

Q - None

AGENCY ABSTRACT

Organization Title: New York State Museum and Science Service,
Geological Survey

Address: New York State Education Building, Room 973, Albany, N. Y. 12224

Phone: (518) 474-5816

Functional Abstract:

Responsible for the regional mapping of the geology of the state.

Performs special investigations in implied geology including mineral resources, evaluation of subsurface stratigraphy and site evaluation for specialized construction projects undertaken by other state agencies.

INFORMATION

Published

Publications Available - New York State Geological Survey
Bulletins
Circulars
Educational Leaflets

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Division of Mineral Resources, Department of Conservation and Development

Address: P.O. Box 2719, Raleigh, North Carolina 27602

Phone: (919) 829-3833

Functional Abstract:

Acquires, assimilates, and distributes basic and scientific information relating to the state's geology, mineral resources, and topography.

INFORMATION

Published

List of Publications of the Division of Mineral Resources
Bulletins
Economic Reports
Information Circulars
Educational Series

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: North Dakota Geological Survey

Address: University Station, Grand Forks, North Dakota 58202

Phone: (701) 777-2231

Functional Abstract:

Performs investigations and research on mineral resources and oversees the development and utilization of mineral resources in North Dakota.

INFORMATION

Published

List of Publications
Reports
Bulletins
Maps
Reports of Investigation
Circulars

Unpublished (R=Research, Q=Questionnaire)

R - Theoretical and experimental research in petroleum, natural gas, and coal.

Q - None

AGENCY ABSTRACT

Organization Title: Ohio Division of Geological Survey

Address: 1207 Grandview Avenue, Columbus, Ohio 43212

Phone: (614) 469-5344

Functional Abstract:

Collects, studies, and interprets all available data pertaining to the origin, distribution, extent, use, and evaluations of geological and mineralogical resources of Ohio. Maintains these data for use by commerce, industry, and the public in general.

INFORMATION

Published

List of Publications
Annual Reports
Bulletins
Reports of Investigations
Information Circulars
Educational Series
Charts
Maps

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Oklahoma Geological Survey

Address: University of Oklahoma, Norman, Oklahoma 73069

Phone: (405) JE6-0900

Functional Abstract:

Promotes the maximum utilization of mineral resources existing in Oklahoma.

INFORMATION

Published

List of Publications
Bulletins
Annual Reports
Maps
Professional Papers

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: State Department of Geology and Mineral Industries

Address: 1069 State Office Building, 1400 SW Fifth Avenue,
Portland, Oregon 97201

Phone: (503) 226-2161

Functional Abstract:

Promotes the investigation of and makes policy concerning the mineral resources of Oregon.

INFORMATION

Published

List of Publications
Reports
Bulletins
Maps
Annual Report

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Topographic and Geology Survey

Address: Pennsylvania State Planning Board, Harrisburg, Pa. 17120

Phone: (717) 787-2169

Functional Abstract:

Performs laboratory identification and analysis of rocks and minerals.
Performs research studies, collects and compiles data and makes it available to industry, the general public, and government.

INFORMATION

Published

Pennsylvania Geological Publications
Bulletins
Reports of Investigations
Professional Papers
Information Circulars
Educational Series

Unpublished (R=Research, Q=Questionnaire)

R - On coal, petroleum, and natural gas

Q - None

AGENCY ABSTRACT

Organization Title: Division of Geology (South Carolina)

Address: P. O. Box 927, Columbia, South Carolina 29202

Phone: (803) 758-3257

Functional Abstract:

Performs surveys of the state by examination and investigation of resources and publishes information thereof.

INFORMATION

Published

List of Publications
Annual Reports
Bulletins
Professional Papers
Circulars

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: South Dakota State Geological Survey

Address: Science Center, University of South Dakota,
Vermillion, South Dakota 57069

Phone: (605) 624-447

Functional Abstract:

Conducts research on the geology and mineral resources of South Dakota and is concerned with the quality and utilization of these mineral resources.

Investigates and disseminates results as well as general information through published and unpublished reports.

INFORMATION

Published

Publications of the South Dakota Geological Survey
Bulletins
Reports
Educational Series
Circulars
Maps

Unpublished (R=Research, Q=Questionnaire)

R - Supports research on coal, natural gas, and nuclear energy production and application.

Q - None

AGENCY ABSTRACT

Organization Title: Department of Conservation, Division of Geology

Address: G-5 State Office Building, Nashville, Tennessee 37219

Phone: (615) 741-2729

Functional Abstract:

Conducts research on the geology and mineral resources of Tennessee and makes the resulting scientific and technical information available to the public.

INFORMATION

Published

List of Publications
Bulletins
Circulars
Charts
Maps
Reports
Professional Papers
Reports of Investigation
Information Circulars

Unpublished (R=Research, Q=Questionnaire)

R - Research in the geology and mineral resources of the state

Q - None

AGENCY ABSTRACT

Organization Title: Bureau of Economic Geology, University of Texas

Address: University Station, Box X, Austin, Texas 78712

Phone: (512) GR1-1534

Functional Abstract:

Conducts research on the geology and mineral resources of Texas and provides related scientific and technical information.

INFORMATION

Published

- Publications of the Bureau of Economic Geology
- Annual Reports
- Circulars
- Reports of Investigations
- Bulletins
- Maps

Unpublished (R=Research, Q=Questionnaire)

R - Research in petroleum, natural gas, and nuclear resources

Q - None

AGENCY ABSTRACT

Organization Title: Utah Geological and Mineralogical Survey

Address: 103 Utah Geological Survey Building, University of Utah,
Salt Lake City, Utah 84114

Phone: (801) 322-6831

Functional Abstract:

Performs research on the mineral resources of Utah and collects and distributes associated information.

INFORMATION

Published

- List of Publications
- Bulletins
- Reports
- Circulars
- Reports of Investigations
- Maps
- Special Studies

Unpublished (R=Research, Q=Questionnaire)

R - Experimental research in nuclear energy, petroleum, and natural gas.

Q - None

AGENCY ABSTRACT

Organization Title: Vermont Geological Survey

Address: University of Vermont, Burlington, Vermont 05401

Phone: (802) 864-4511

Functional Abstract:

The State of Vermont does not have resources applicable to this survey.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: Virginia Division of Mineral Resources

Address: P. O. Box 3667, Charlottesville, Virginia

Phone: (703) 293 5121

Functional Abstract:

Performs investigations and promotes the maximum utilization of the mineral resources of Virginia.

INFORMATION

Published

List of Publications
Reports
Bulletins

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Washington Division of Mines and Geology,
Department of Mineral Resources

Address: P. O. Box 168, Olympia, Washington 98501

Phone: (206) 753-6183

Functional Abstract:

Promotes maximum utilization of the state's mineral resources. Administers the Oil and Gas Conservation Act. Other functions include:

(1) evaluating known mineral deposits through field and office research
(2) publishing bulletins
(3) regulating the drilling of oil and gas
(4) providing observers to enforce regulations of offshore drilling.

INFORMATION

Published

Publications
Bulletins
Reports

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: West Virginia Geological and Economic Survey

Address: P. O. Box 879, Morgantown, West Virginia 26505

Phone: (304) 296-4461

Functional Abstract:

Examines geological formations of West Virginia and prepares special reports with necessary information and maps.

INFORMATION

Published

List of Publications
Bulletins
Reports
Maps
Educational Series
Circulars

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Wisconsin Geological and Natural History Survey

Address: University of Wisconsin, 1815 University Avenue, Madison,
Wisconsin 53706

Phone: (608) 262-1705

Functional Abstract:

Wisconsin has no resources that are applicable to this survey.

INFORMATION

Published

Unpublished (R=Research, Q=Questionnaire)

AGENCY ABSTRACT

Organization Title: Geological Survey of Wyoming

Address: P. O. Box 3008, University Station, University of Wyoming,
Laramie, Wyoming 82070

Phone: (307) 766-2286

Functional Abstract:

Explores and evaluates the mineral and petroleum resources of Wyoming.

INFORMATION

Published

List of Publications

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

APPENDIX III

INDEPENDENT AGENCY ABSTRACTS

This appendix presents abstracts of all independent agencies which have been identified as sources of information pertinent to the fuel and energy survey. The information descriptors have been explained in the body of this report.

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AGENCY ABSTRACT

Organization Title: Air Pollution Control Association

Address: 4400 Fifth Avenue, Pittsburgh, Pa. 15213

Phone: (412) 621-1100

Functional Abstract:

A technical association that promotes atmospheric pollution control, improvement of air sanitation, and air purification.

Maintains technical councils in the fields of petroleum, coal, public utilities, waste disposal, oil burner equipment, and power boiler equipment.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	waste products and pollution	theoretical
Petroleum		experimental
Natural Gas		reviews

INFORMATION

Published

Journal of the Air Pollution Control Association (approx 100 technical papers per year)

APCA Abstracts (approx 150 per month. Note: this publication is expected to stop or be seriously curtailed in the near future).

Unpublished (R=Research, Q=Questionnaire)

Q - none
R - none

AGENCY ABSTRACT

Organization Title: American Chemical Society

Address: 1155 16th Street, N. W., Washington, D. C. 20036

Phone: (202) 737-3337

Functional Abstract:

A technical society to encourage in the broadest and most liberal manner the advancement of chemistry in all its branches; to promote research in chemical science and industry; to increase and diffuse chemical knowledge.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
All Fuels and Energy	production applications waste products and pollution by-products research	experimental operational instructions information exchange theoretical

INFORMATION

Published (estimated more than 100 technical papers per year related to fuels & energy)

Analytical Chemistry (monthly)
Chemical Abstracts (weekly)
Chemical and Engineering News (weekly)
Chemical Reviews (bimonthly)
Chemical Titles (semimonthly)
Industrial and Engineering Chemistry (monthly)
I & EC Process Design and Development (quarterly)
I & EC Fundamentals (quarterly)
I & EC Product Research & Development (quarterly)
Journal of Agricultural and Food Chemistry (bimonthly)
Journal of Chemical Documentation (quarterly)
Journal (semimonthly)
Journal of Chemical and Engineering Data (quarterly)
Journal of Organic Chemistry (monthly)
Journal of Physical Chemistry (monthly)
Biochemistry (monthly)
Inorganic Chemistry (monthly)
Journal of Medicinal Chemistry (bimonthly)
Chemistry (monthly)
Journal of Chemical Education (monthly)
Rubber Chemistry and Technology (five per year)

Unpublished (R=Research, Q=Questionnaire)

No Research in house or directly supported
Q - None

AGENCY ABSTRACT

Organization Title: American Gas Association

Address: 1515 Wilson Boulevard, Arlington, Virginia 22209

Phone: (703) 524-2000

Functional Abstract:

Provides consulting and library services in technology, statistics, economics, and the history pertaining to the fuel-gas industry.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Natural Gas	applications	operational
	transportation	review
	economics	experimental
	markets	policy
	research	data compilation
		theoretical

INFORMATION

Published

Monthly magazine, standards and specifications, instruction manuals and pamphlets, data handbooks and bibilographics.

1969 Publications List contains approx 800 publications related to all phases of the natural gas industry.

Unpublished (R=Research, Q=Questionnaire)

A.G.A. sponsors in-house research in the following areas:
- Home - climate control
- Home - appliances
- Commercial appliances
- Industry Operations - distributors, storage and supply
- Pipeline
- Commercial Climate Control
- On-site power research
- Basic research on combustion

Questionnaire - Combined A.G.A. and Edison Electric Institute
"Uniform Statistical Report - Year End"

AGENCY ABSTRACT

Organization Title: American Institute of Chemical Engineers

Address: 345 East 47th Street, New York, N.Y. 10017

Phone: (212) 752-6800

Functional Abstract:

A professional society of chemical engineers

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
All Fuels and Energy	conversion applications	information exchange

INFORMATION

Published

Chemical Engineering Progress (monthly)

AICLE Journal (bimonthly)

International Chemical Engineering (quarterly)

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: American Institute of Mining, Metallurgical, and Petroleum Engineers

Address: 345 East 47th Street, New York, New York 10017

Phone: (212) 752-6800

Functional Abstract:

A professional society serving the field of mining, metallurgical, and petroleum engineering.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	economics production research resources transportation	information exchange

INFORMATION

Published

Mining Engineering (monthly)

Journal of Metals (monthly)

Journal of Petroleum Technology (monthly)

Transactions of the Metallurgical Society of AIME (monthly)

Society of Mining Engineers Transactions (quarterly)

Society of Petroleum Engineers Journal (quarterly)

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: American Nuclear Society

Address: 244 East Ogden Avenue, Hinsdale, Ill. 60521

Phone: (312) 325-1991

Functional Abstract:

A professional society of physicists, chemists, mathematicians, life scientists, engineers, and metallurgists with professional experience in nuclear science or nuclear engineering.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Nuclear Energy	applications conversion research	experimental theoretical

INFORMATION

Published

Nuclear Science and Engineering (monthly)

Nuclear News (monthly)

Nuclear Applications (bimonthly)

Transactions (annual)

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: American Petroleum Institute

Address: 1271 Avenue of the Americas, New York, New York 10020

Phone: (212) 586-4200

Functional Abstract:

A voluntary, non-profit trade association, the Institute is representative of all branches of the petroleum industry.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	economics	policy
	marketing	data compilation
	preparation	information exchange
	transportation	experimental
	waste products and pollution	operational
		review
		instructions

INFORMATION

Published

Annual magazine, weekly abstracts, index of papers

"Literature pertaining to the art and science of oil burning for residential applications" (Abstract supplement published yearly, contains approx 400 publications per issue).

1969 List of Publications and materials contains over 500 publications.

Unpublished (R=Research, Q=Questionnaire)

The API supports research in the following areas:

> Fundamental research on the origin, occurrence, composition and properties of petroleum.
>
> Environmental research in air and water conservation with particular emphasis on air pollution caused by automotive engines.

AGENCY ABSTRACT

Organization Title: American Power Conference
Illinois Institute of Technology

Address: Technology Centers, Chicago, Illinois 60616

Phone: (312) 225-9600

Functional Abstract:

Held annually in Chicago, the purpose of the Conference is to provide a national forum for the exchange of information of interest to the power industry and related fields.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	transportation	planning
Hydro-Energy	applications	operational
Nuclear Energy	resources	policy
Electrical Energy	waste products and pollution	experimental

INFORMATION

Published

Annual Proceedings of the American Power Conference - each volume contains over 200 fuel and energy related reports

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: American Society of Mechanical Engineers

Address: United Engineering Center, 345 E. 47th Street, New York,
New York 10017

Phone: (212) 752-6800

Functional Abstract:

A technical association to promote the art and science of mechanical engineering and the allied arts and sciences.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
All Fuels and Energy	resources	review
	applications	experimental
	transportation	instructions
	pollution and waste products	operational
	economics	

INFORMATION

Published

Mechanical Engineering (monthly)

Transactions (quarterly)

Applied Mechanics Review (monthly)

Performance Test Codes

Individual Books and Reports on Combustion and Fuels

ASME - Annual AM - 5 (Indexes to 1969 Publications)
(over 450 Fuel and Energy References)

ASME Technical Papers, October 1969 Listing (54 Fuel and Energy Papers)

ASME - AM-3 Publications Catalog 1970 (approx. 25 Fuel and Energy Publications)

Unpublished (R=Research, Q=Questionnaire)

No inhouse or directly supported research

No questionnaires related to fuels and energy

AGENCY ABSTRACT

Organization Title: Atomic Industrial Forum

Address: 850 Third Avenue, New York, N. Y. 10022

Phone: (212) 754-1075

Functional Abstract:

A technical management association, the Forum centers its activity on solving problems of the atomic industry.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Nuclear Energy	policy	review
	applications	data compilation
	resources	
	economics	

INFORMATION

Published

The Atomic Industrial Forum Publications List contains 17 publications which include:

- Proceedings of Conferences
- Guidebooks
- Technical reports

Unpublished (R=Research, Q=Questionnaire)

The AIF conducts a limited amount of inhouse research aimed mostly at identifying the current status of the industry.

AGENCY ABSTRACT

Organization Title: Bituminous Coal Research, Inc.

Address: 350 Hoohberg Road, Monroeville, Pennsylvania 15146

Phone: (412) 327-1600

Functional Abstract:

An affiliate of the National Coal Association, this organization processes and analyzes material related to coal mining, preparation, combustion, conversion, process, and waste material use.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	resources	experimental
	production	operational
	applications	
	waste products	
	research	

INFORMATION

Published

See under National Coal Association

Unpublished (R=Research, Q=Questionnaire)

Questionnaires and surveys are proprietary

For research activities see National Coal Association

AGENCY ABSTRACT

Organization Title: Colorado School of Mines, Colorado School of Mines Research Institute

Address: Box 112, Golden, Colorado 80402

Phone: (303) 279-2581

Functional Abstract:

Carries out research projects for the mineral industry. A center for information on rock physics, dealing primarily with collecting and evaluating information describing the behavior of rocks when subjected to various physical stimuli. A prospector service operated for the State of Colorado to identify rocks and minerals and to make information available to assist the mining industry.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal Petroleum	resources	data compilation information exchange

INFORMATION

Published

The Mines Magazine (monthly)

Colorado School of Mines (Quarterly)

Mineral Industries Bulletin (6 per year)

Publications List #2711 4-69 (list 39 publications)

Vol. 53, No. 3, July 1958, Annotated Bibliography on Coal

Vol. 51, No. 2, April 1956, Bibliography of Mining Theses at U. S. Institutions

Vol. 61, No. 2, April 1966, Annotated Bibliography on Selected Mining Subjects

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - The entire activity of the Colorado School of Mines is devoted to research and education in mineral resources.

AGENCY ABSTRACT

Organization Title: Edison Electric Institute

Address: 750 Third Avenue, New York, N. Y. 10017

Phone: (212) 774-1000

Functional Abstract:

A trade association of investor-sponsored electric companies.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical Energy (All fuels and energy)	marketing economics resources	data compilation

INFORMATION

Published

EEI Pocketbook of Electric Utility Statistics (EEI Pub. No. 69-42)

Bulletins, reports, and handbooks concerned mostly with marketing, economics and resources.

Bibliography and Digest of U.S. Electric and Total Energy Forecasts, (1970-2050) (contains 25 articles)

Unpublished (R=Research, Q=Questionnaire)

No in house research

Q - 1. Year End Survey - Number of Customers Served
2. Combined EEI and American Gas Association - Uniform Statistical Report - Year End
3. Year End Electric Space - Heating Customer Survey
4. EEI Monthly Peak Load and Capacity Report
5. Monthly Survey of Electrical Energy Sources and Sinks. Same survey includes electric operating revenue data.

AGENCY ABSTRACT

Organization Title: Institute of Electrical and Electronics Engineers

Address:
345 East 47th Street
New York, New York 10017

Phone: (212) 752-6800

Functional Abstract:

A professional society of engineers and scientists with interests in electrical engineering, electronics, and allied fields. Not directly concerned with electrical energy but rather with electronics.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical Energy	research	information exchange

INFORMATION

Published

Journal of Quantum Electronics (monthly)

Proceedings (monthly)

Spectrum (monthly)

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Institute of Gas Technology

Address: 3424 South State Street, IIT Center, Chicago, Illinois 60616

Phone: (312) 225-9600

Functional Abstract:

An educational and research facility for the gas industry affiliated with Illinois Institute of Technology.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Natural Gas	resources	experimental
Other (Energy Conversion)	production	review
Coal	transportation	policy
	applications	
	pollution and waste products	
	markets	
	research	

INFORMATION

Published

Bulletins
Technical Papers
Books
Scientific papers
Publications List - September 1, 1968 thru August 31, 1969 (115 reports)
Institute of Gas Technology Research Bulletin Series (39 publications)
" Technical Report Series (10 publications)
" Interim Reports (6 publications)

Research Reports
Society Proceedings
Bibliographies
patents
Codes and Specifications

Publications List--1941 through August 1968 (691 publications)

Unpublished (R=Research, Q=Questionnaire)

Q = none

Inhouse research is conducted in following areas:

- Analytical Methods and Instruments
- Basic Science and Engineering
- Combustion
- Energy Conversion
- Fundamental Properties
- Gas Supply and Production Processes
- Liquefied Natural Gas
- Transmission and Distribution
- Utilization and Appliances

AGENCY ABSTRACT

Organization Title: Johns Hopkins University Press

Address: Baltimore, Md. 21218

Phone: (301) 366-3300, ext. 1257

Functional Abstract:

The publications division of the University has published documents on subjects indicated below. They are also publishers of Resources for the Future, Inc., books and reports.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	resources	instructions
Natural Gas	economics	policy

INFORMATION

Published

The Johns Hopkins Press - Books in Print 1969 (2 reports related to fuel resources, approx 20 others in minerals and geology.)

The Johns Hopkins Press - Fall 1969 (one book peripherally related to water resources.)

The Johns Hopkins Press - Spring 1970 (2 books on economic resources, 4 books published for Resources for the Future, Inc.)

Unpublished (R=Research, Q=Questionnaire)

Q = NONE
R = NONE

STATE
AGENCY ABSTRACT

Organization Title: Kansas State University, Engineering Experiment Station

Address: Kansas State University, Manhattan, Kansas 66502

Phone:

Functional Abstract:

The experiment station was established to conduct tests, research, and development work in engineering and industrial applications of value to the State of Kansas.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Nuclear Energy	research	experimental

INFORMATION

Published

Bulletins

Reports

Circulars

List of publications contained in "Research Activities 1968-69," Bulletin 100 (contains approx. 25 fuel and energy related reports).

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - Experimental nuclear engineering

AGENCY ABSTRACT

Organization Title: Lawrence Radiation Laboratory

Address: University of California, Box 808, Lawrence, California 94551

Phone: (418) 447-1100, ext. 8381

Functional Abstract:

A research organization which puts emphasis on physics, nuclear chemistry, inorganic materials, biology and medicine, chemical biodynamics, and engineering, and which provides information thereof.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Nuclear Energy	research	theoretical experimental

INFORMATION

Published

Research papers

Listing of Research Papers published in 1968, contained in Pub. No. 64/6.5m/Aug. 1969/by Technical Information Division (116 research papers in Physics; 100 research papers in Nuclear Chemistry)

Unpublished (R=Research, Q=Questionnaire)

Q - None

Research in experimental and theoretical aspects of nuclear physics and chemistry.

AGENCY ABSTRACT

Organization Title: National Academy of Sciences, National Academy of Engineering, National Research Council

Address: 2101 Constitution Avenue, NW, Washington, D. C. 20418

Phone: (202) 393-8100

Functional Abstract:

An independent non-profit organization of scientists and engineers dedicated to the advancement of science and technology. The objectives of the organization include:

- Sponsorship of scientific and engineering programs to meet national needs.
- Encouragement of research.
- Advising the Federal Government upon request in matters of science and engineering.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
All Fuels and Energy	applications	information exchange
	management	planning
	research	review
		theoretical

INFORMATION

Published

Approximate number of fuel and energy publications 10

Types of fuel and energy publications:

Publications List
Technical Reports

Unpublished (R=Research, Q=Questionnaire)

R - Manages and distributes research funds

Q - None

AGENCY ABSTRACT

Organization Title: National Coal Association

Address: 1130 17th Street, N. W., Washington, D. C. 20036

Phone: (202) 628-4322

Functional Abstract:

Promotes the production and use of bituminous coal.
Encourages the foreign consumption of U. S. coal.
Cooperates with other energy production, distribution, and utilization industries.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	resources	data compilation
Nuclear Energy	transportation	operational
Natural Gas	applications	policy
Petroleum	waste products and pollution	
	economics	
	markets	
	research	
	management	

INFORMATION

Published

Report

Films

Brochure

Maps

"Coal News" - weekly newsletter

Publications List - Summer 1970 (over 25 reports related to coal and several other natural resources)

Unpublished (R=Research, Q=Questionnaire)

Q - None - Relies on Bureau of Mines Survey Information as a basis for statistical reports.

Experimental research in bituminous coal utilization is conducted by the NCA affiliate Bituminous Coal Research, Inc., Monroeville, Pa. Activities are reported quarterly in "Coal Research" published by BCR, Inc.

AGENCY ABSTRACT

Organization Title: National Oil Fuel Institute

Address: 60 East 42nd Street, New York, N. Y. 10017

Phone: (212) 867-0260

Functional Abstract:

An association of manufacturers of oil-heating equipment; including dealers, distributors and jobbers of oil or oil-heating equipment, and refiners and suppliers of oil products to industry. The association engages in market research and technical services and represents the industry in legal matters.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	applications	experimental
	waste products	instructions
	pollution	review
	markets	data compilation
	economics	
	research	

INFORMATION

Published

NOFI News (bimonthly)
Treasury of Advertising (monthly)
Information Bulletins (irregular)

NOFI Technical Publication 106Ed "Proceedings of New and Improved Oil Burner Equipment Workship" 1968 (16 articles)

NOFT Technical Publication 107Ed "Proceedings of New and Improved Oil Burner Equipment Workshop" 1969 (12 articles)

Unpublished (R=Research, Q=Questionnaire)

Q - none
R - in marketing of oil-heating equipment

AGENCY ABSTRACT

Organization Title: National Petroleum Council

Address: 1625 K Street, N. W., Washington, D. C.

Phone: (202) 393-5167

Functional Abstract:

Advises, informs, and makes recommendations to the Secretary of Interior or the Director of the Office of Oil and Gas with respect to any matter relating to petroleum or the petroleum industry. The council does not concern itself with trade practices nor does it engage generally in any of the usual trade association activities.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	resources	data compilation
Natural Gas	production	operational
	management	policy
	transportation	review

INFORMATION

Published

Annual Reports

Periodic special reports on topics cited above

List of studies and reports published by the National Petroleum Council (contains 15 reports)

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - None

AGENCY ABSTRACT

Organization Title: National Resources Analysis Center

Address: 7706 Old Springhouse Road, Westgate Research Park,
McLean, Virginia 22101

Phone: (703) 893-5900

Functional Abstract:

Presents a cooperative effort with the Office of Emergency Planning and Federal agencies having delegated emergency planning responsibilities.

Performs computer analyses on fuel and energy resources important to the defense of the United States.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Electrical Energy	applications	data compilation
Natural Gas	by-products	information exchange
Petroleum	production	operational
Coal	resources	planning
Nuclear Energy	supply	

INFORMATION

Published

Resource Data Catalog, NRAC Technical Report No. 69

Technical Reports and Records of Resources Important to the Defense, Survival, and Recovery of the United States

Unpublished (R=Research, Q=Questionnaire)

R - None

Q - None

AGENCY ABSTRACT

Organization Title: Natural Gas Processors Association

Address: 429 Kennedy Bldg., Tulsa, Okla.

Phone: (918) 582-5112

Functional Abstract:

A non-profit industry association of firms producing, processing and handling natural gas and other hydrocarbon products (such as liquefied petroleum gases) at gas-processing plants.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Natural gas	resources	data compilation
	production	operational
	transportation	experimental
	markets	
	research	

INFORMATION

Published

Annual proceedings of the Natural Gas Processors Association

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - Research in gas treating, enthalpy, safety.

AGENCY ABSTRACT

Organization Title: Natural Resources Research Institute, University of Wyoming

Address: Laramie, Wyoming

Phone:

Functional Abstract:

NRRI has been organized to help acquire and utilize the knowledge required to live in optimum harmony within our overall land, water, air, sunlight, and biotic environment.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
All Fuels and Energy	resources	experimental data compilation

INFORMATION

Published

Bulletins of Natural Resources Research Institute

Unpublished (R=Research, Q=Questionnaire)

Q - None
R - in mineral resources and geology of the State

AGENCY ABSTRACT

Organization Title: Pennsylvania State University - Petroleum Refining Laboratory

Address: 133 Chemical Engineering Building, University Park, Pa., 16802

Phone: (814) 865-2574

Functional Abstract:

An educational institution that performs research in the area of chemical engineering and publishes theses and technical reports on the researched data.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Petroleum	research	theoretical experimental

INFORMATION

Published

List of theses from Department of Chemical Engineering 1964-1969 (Report Ch. E. - 10-69) (approx. 15 theses applicable)

List of publications from the Department of Chemical Engineering 1964-1970 (approx. 25 applicable reports)

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - In petroleum chemistry

AGENCY ABSTRACT

Organization Title: Power Information Center, University of Pennsylvania

Address: 3401 Market Street, Philadelphia, Pa. 19104

Phone: (215) 382-8683

Functional Abstract:

A center for the collection and dissemination of information on energy sources and conversion techniques.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Nuclear Energy	research	information exchange
Other (Solar and Chemical)		

INFORMATION

Published

No publications list available

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - In house research

AGENCY ABSTRACT

Organization Title: Resources for the Future, Inc.

Address: 1755 Massachusetts Avenue, N. W., Washington, D. C.

Phone: (202) 462-4400

Functional Abstract:

A non-profit economic research company concerned with all phases of future economic patterns.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
All Fuels and Energy	economics research	data compilation information exchange planning

INFORMATION

Published

Publications list titled "Historical Statistics of Minerals in the United States." The list contains references to 274 statistical tables which are available covering all phases of mineral resources and technology. The list also contains references to 12 R.F.F. books and four research reports. All books and research reports are available through the Johns Hopkins Press (cf. earlier in this section).

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - In mineral economics

AGENCY ABSTRACT

Organization Title: Solar Energy Society, Technical Research Science Center, Arizona State University

Address: Tempe, Arizona

Phone: (602) 965-9011

Functional Abstract:

An association of educational and research institutions and agricultural and government agencies. The society was formed, "to gather, compile, and disseminate information relating to solar energy." The society maintains the Solar Energy Library, which contains 5000 volumes.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Other (Solar Energy)	research	theoretical experimental information exchange

INFORMATION

Published

Solar Energy (quarterly)
Applied Solar Energy Research (Directory - Bibliography) annual
The Sun at Work (quarterly)
Proceedings of 1955 World Symposium

Unpublished (R=Research, Q=Questionnaire)

Q - None
R - None

AGENCY ABSTRACT

Organization Title: The Group to Advance Total Energy, Southwest Research Institute

Address: 8500 Culebra Road, San Antonio, Texas 78228

Phone: (512) 684 2994

Functional Abstract:

Guides and assists the industry and equipment manufacturers in the development and marketing of the "total energy concept," a concept whereby all energy requirements of a building or a complex of buildings is supplied by one energy source (via. natural gas).

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Natural Gas	markets	policy
	economics	experiments
	research	instructions
	applications	

INFORMATION

Published

The GATE Monthly Information Digest (approx 10 articles per issue)
GATE Telegram (18 special interest memos)
Facility Investigations (11 reports)
Special Technical Reports (7 reports)
Special Installation Studies (8 reports)
Computer Program for Energy Systems Analysis (Documentation)
Training Materials
Marketing, Leasing, Financing Studies (9 reports)
Promotional Materials
Reports reprinted or redistributed by GATE (10 reports)

Unpublished (R=Research, Q=Questionnaire)

Q = NONE
R = In-house research in instrumentation and economics

AGENCY ABSTRACT

Organization Title: West Virginia University, Coal Research Bureau

Address: Morgantown, West Virginia 26506

Phone: (304) 293-3013

Functional Abstract:

An integral unit of the School of Mines at West Virginia University. It is supported by the parent institution and research grants and contracts from governmental and private organizations.

FUEL AND ENERGY INFORMATION

Fuel Classification	Principal Content	Type of Information
Coal	production	experimental
	transportation	data compilation
	waste products and pollution	
	research	
	economics	
	markets	

INFORMATION

Published

Most research results are published in professional and trade journals or periodically issued technical reports.

Unpublished (R=Research, Q=Questionnaire)

Q - None

R - Maximizing Coke Quality

Sulfur Removal

Coal Preparation and Transportation

Utilization of Flyash and Boiler Slag

Coal Chemistry

Utilization of Coal - Associated Minerals

Coal Gasification

APPENDIX IV

DESCRIPTION OF QUESTIONNAIRES FOR FEDERAL AND INDEPENDENT ORGANIZATIONS

This section contains descriptions of the Federal and independent questionnaires which are used to compile fuel and energy information.

> The following statement is to be inserted in the Bureau of Mines Description of Questionnaire forms under Restrictions indicated by (1):
>
> > (1) Individual Company Data - Confidential. The data furnished in this report will be treated in confidence by the Department of the Interior, except that they may be disclosed to defense agencies.

Complete reproductions of all Federal questionnaires described are contained in Volume II of this report.

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APPENDIX IV

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EDISON ELECTRIC INSTITUTE 292

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Army Corps of Engineers, Department of Defense, Board of Engineers for Rivers and Harbors

Questionnaire Title: Oil Bunkering and Storage Facilities, Form 20

Frequency: Decade

Agency Information Officer: John Reynolds

Type of Information Source: Oil Bunkering and Storage Companies at Continental U. S. Ports

Number of Information Sources: Variable - No estimate indicated

Questions:

- port
- owner
- operator
- location
- bunkering services capability
- bunkering craft
- storage facilities
- total storage capacity
- fire protection

Official Purpose: Conducted in conjunction with the Maritime Commission to record port facilities in the continental U. S. Provides data for the use in the preparation of classified analytical reports furnished to planning boards concerned with the coordination of military, industrial, and civilian moblization and security. Questionnaire is prepared under the authority of Sec. 8, Merchant Marine Act.

Published:

"Port Series," "Transportation Series," "Waterborne Commerce of the United States," published by The Corps of Engineers

Restrictions:

The information by individual company is considered confidential.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	storage	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Atomic Energy Commission

Questionnaire Title: Electric Power - Actual Usage and Estimated Annual Requirement, AEC Form 293

Frequency: Annual

Agency Information Officer: Joseph Garman

Type of Information Source: Locations where the AEC is paying for electric power as a separate cost or is generating electric power.

Number of Information Sources: 31

Questions:

- location of electric power system
- characteristics of electric power system
- annual load
- maximum demand
- annual cost

Official Purpose: Obtains feeder information to provide AEC management with data covering AEC power consumption, demand, and cost by location as well as electric power requirements under emergency conditions in accordance with Office of Emergency Planning Circular 8500.4A.

Published: "Electric Power Statistics," published by the AEC

Restrictions: Information is classified on an individual report basis for national security.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	applications economics markets management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of the Census

Questionnaire Title: Atomic Energy Products and Services, Form MA-380

Frequency: Annual

Agency Information Officer: E. D. Goldfield

Type of Information Source: Nuclear hardware and radiation source manufacturers and service organizations.

Number of Information Sources: 200

Questions:

- company name, address, and telephone number
- products and services produced
- value of shipments
- net orders received
- receipts for selected atomic energy services

Official Purpose: Assembles statistics on shipments of selected products specifically designed for nuclear applications and receipts for selected services having specific nuclear applications as required by Title 13, U. S. Code.

Published: Bureau of the Census
"Preliminary Reports - Census of Manufacturers"
"Current Industrial Reports"

Restrictions: The submitted response is confidential and may be seen only by sworn Census employees.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Nuclear Energy	application markets production supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Census

Questionnaire Title: Mining Machinery Shipments, Domestic and Export, Form MA-35F

Frequency: Annual

Agency Information Officer: E. D. Goldfield

Type of Information Source: Mining Machinery Manufacturers

Number of Information Sources: 150

Questions:
- name of machinery manufacturer
- description of each machine
- number of units produced
- value of units

Official Purpose: Assembles mining machinery manufacturing statistics in accordance with Title 13, U. S. Code.

Published: Bureau of the Census
"Preliminary Reports - Census of Manufacturers"
"Current Industrial Reports"

Restrictions: The submitted response is confidential and may be seen only by sworn Census officials.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal Natural Gas Nuclear Energy	production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Availability of Bituminous Coal, By Sulfur Content in the Appalachian Region in 1967, Form 6-1418-X

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Bituminous coal producers

Number of Information Sources: Unknown

Questions:

- Identification (name of company and mailing address)
- New Mine scheduled by company (name of mine, type of mine, location, construction starting date, initial production date, full production date, planned annual production, major coal use, present tonnage committed under long-term contracts)
- Requirement for production (number of supervisors and employees, cost of plant and equipment, capital cost)
- Reserves assigned and not assigned to new mines (coalbed, location, reserves mineable at 1967 mine value plus)
- Mines producing more than 100,000 tons in 1967
- Identification, work force, coal cleaned, coal marketed.

Official Purpose: Gathers construction and production data relating to the availability of bituminous coal, by sulfur content, in the Appalachian region. This information is gathered with the cooperation of industry for public information and guidance purposes.

Published: "Minerals Yearbook", and "Mineral Industry Surveys", Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	production resources supply waste products and pollution	data compilation operational planning

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Bituminous Coal and Lignite Production and Mine Operation, Calendar Year 1969, Form 6-1401-A

Frequency: Annual

Agency Information Officer: T. R. Scollon

Type of Information Source: Coal Producers

Number of Information Sources: 8997

Questions:

- name of producer
- description of mine
- production
- underground mines
- number of drills (coal drills, mobile drills)
- coal located by different methods
- underground haulage
- auger and strip mine production
- mechanical cleaning
- thermal drying
- mechanical crushing and treatment of coal allaying dust

Official Purpose: Gathers data on bituminous and lignite producing operation for development of Government policy guidance regarding quotas on importation of residual fuel oil and maintenance of competition in the energy market.

Published: 'Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Bulk Terminal Stocks of Finished Petroleum Products, Form 6-1302-M

Frequency: Monthly

Agency Information Officer: W. C. Elliott

Type of Information Source: Petroleum bulk terminal plants

Number of Information Sources: 600

Questions:

- Name and address of company
- Report of all stocks of petroleum products in thousands of barrels (gasoline, jet fuel, fuel oil, lube oils, asphalt) by sections of the United States.

Official Purpose: Compilation of bulk terminal stocks data to determine the actual amounts of finished petroleum products and their location. This information is gathered with the cooperation of the industry for public information and guidance.

Published: "Minerals Yearbook", "Mineral Industry Surveys", Bureau of Mines
"Monthly Report of the Oil Import Administration"

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	supply storage by-products	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Capacity of Petroleum Refineries, Form 6-1334-A

Frequency: Annual

Agency Information Officer: W. R. Elliot

Type of Information Source: Petroleum Refineries

Number of Information Sources: 326

Questions:

- identification of refinery
- type of plant
- capacity of refining facilities
- electric power requirements
- capacity to produce selected products
- capacity of refining facilities after assured project expansions

Official Purpose: Compiles refinery capacity data for emergency planning and preparedness activities by the Office of Oil and Gas.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	by-products management production supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Carbon Black (from Natural Gas and Petroleum Hydrocarbons) Form 6-1342-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Carbon black plants

Number of Information Sources: Unknown

Questions:

- Identification of company
- Stocks by grade, January 1
- Production
- Purchases
- Domestic annual sales
- Annual exports
- Annual losses
- Stock by grade, December 31
- Name and location of plant
- Name of operator and owner
- Production during the year by grades
- Raw materials used in production
- Average yield of carbon black from raw materials consumed

Official Purpose: Gathers data on the stocks, sales and production of carbon black with industry cooperation for the guidance and information of industry, government, and the public.

Published: "Minerals Yearbook", Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
petroleum natural gas	by-product markets supply production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Coke and Coal Chemical Materials, Form 1365-M

Frequency: Monthly

Agency Information Officer: T. R. Scollon

Type of Information Source: Coke Plant Operators

Number of Information Sources: 98

Questions:

- production of coke, breeze, and coal-chemical materials
- disposal of coke and breeze and coal-chemical materials
  - .. ammonic products
  - .. crude coal tar
  - .. tar derivatives
  - .. cresols
  - .. napthelene
  - .. creosote oil
  - .. tar
  - .. light oil derivatives

Official Purpose: Assembles production and disposal data of coke, breeze, and chemical materials. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," and "Mineral Industry Surveys," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	application by-products markets production supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Crude Petroleum Gathered From Leases in Selected States, Form 6-1309-M

Frequency: Monthly

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Companies in New York, Pennsylvania, W. Virginia, Ohio, Illinois, Indiana, Missouri

Number of Information Sources: 900

Questions:

- amounts of crude petroleum received from leases in the above-mentioned states:
  - into gathering system operated by the responding company
  - via trucks directly into trunk system operated by the responding company.

Official Purpose: To compile monthly crude petroleum production data for the states indicated. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines
"Mineral Industry Surveys," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	storage supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: **Bureau of Mines**

Questionnaire Title: Crude Petroleum Stocks, Form 6-1311-M

Frequency: Monthly

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Companies

Number of Information Sources: 2712

Questions:

- Quantity of petroleum stocks by state.
- Value of petroleum stocks, by state.

Official Purpose: Assessment of the amount and value of petroleum owned by refineries and pipeline companies in various states. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines
"Mineral Industry Surveys," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	economics storage	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Distribution of Bituminous Coal and Lignite Shipments Form 6-1419-Q

Frequency: Quarterly

Agency Information Officer: T. R. Scollon

Type of Information Source: Coal Producing Companies

Number of Information Sources: 1670

Questions:

- name and address of coal producing company
- distribution of coal shpments
- methods of movement and destination
- mine origin of coal

Official Purpose: Compiles data on bituminous and lignite coal shipments by coal producing companies. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Distribution of Pennsylvania Anthracite for the Coal Year April 1, 1969 to March 31, 1970, Form 6-1392A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Coal companies

Number of Information Sources:

Questions:

- Time period covered by this report
- Identification and location of coal producers
- Summary of inventories, production, purchases, shipments and adjustments by size
- Shipping destination of Pennsylvania anthracite by size
- Sub-totals and grand total of shipments to United States, Canada and other and other countries
- Identification of producers, wholesalers, and dock operators
- Amount of coal purchased from or handled by producers, wholesalers and dock operators.

Official Purpose: Compiles data on the amounts of anthracite coal shipped and purchased with industry cooperation for the guidance and information of industry, government, and the public.

Published: "Minerals Yearbook", Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
coal	supply markets storage transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Fuel Consumed for All Purposes at Refineries, Form 6-1365-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Refineries

Number of Information Sources: 250

Questions:

- identification and location of refinery.
- quantity of fuel consumed by refineries
  - crude oil
  - fuel oils
  - acid sludge
  - gas
  - petroleum coke
  - coal
  - purchased electric power
  - purchased steam

Official Purpose: Provides a means of comparing supply and demand data for fuels consumed in the U. S. petroleum refining industry with those of foreign countries. This information is requested by the American Petroleum Institute.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum Electrical Energy Natural Gas Hydro Energy	application markets	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Fuel Oil and Kerosine Sales and Inventories
Form 6-1337-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Companies

Number of Information Sources: 6218

Questions:

- Sales records of distillate, residual, and kerosine-type fuels

Official Purpose: Assembles annual data on the consumption and utilization of distillate, residual, and kerosine-type fuels. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	applications by-products markets	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Crude Oil Pipeline and Storage Survey, Form 6-1325-T

Frequency:

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum pipeline companies

Number of Information Sources:

Questions:

- Identification and location of crude oil pipeline companies
- Mileage of pipelines by type, size and state for active and inactive lines
- Mileage of pipeline laid and taken up by type, size and state since Jan. 1, 1965
- Crude-oil storage capacity at tank farms and terminals by state.

Official Purpose: Gathers crude oil storage data supplementing Interstate Commerce Commission data compilation. The information is gathered with industry cooperation for the guidance and information of government, industry, and the public.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
petroleum	storage supply transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: **Bureau of Mines**

Questionnaire Title: **Injuries and Employment, Bituminous Coal and Lignite Mines, Form 6-1423-AM**

Frequency:

Agency Information Officer: **W. C. Elliot**

Type of Information Source: **coal companies**

Number of Information Sources: **unknown**

Questions:

- identification and location of mine owner
- identification and location of mine
- injuries during month or period
- previous injuries
- list of injured persons (name of employee, date of injury, date available to return to work)
- employment and production (underground, surface, strip pit, auger, mechanical cleaning plant, and office workers)
- general information (number of mines, names of mines, number of 24 hour shifts, percentage of annual production loaded by mechanical methods)

Official Purpose: **Compiles injury and employment data relative to the bituminous and lignite coal industry**

Published: **" Minerals Yearbook", Bureau of Mines Publications**

Restrictions: **None indicated**

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	production resources	data compilation operational

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Monthly Coal Report, Form 6-1400-M

Frequency: Monthly

Agency Information Officer: T. R. Scollon

Type of Information Source: Coal Producers, Retail Dealers, Steel Plants, Upper Lake Docks and Manufacturers

Number of Information Sources: 12,000

Questions:

- name and address of information source
- report of bituminous and anthracite coal
  - by size stock at the first of the month
  - receipts during month
  - consumption during month
  - yard losses and stock shrinkage during month
  - stock at the end of month

Official Purpose: Gathers data on the location of coal yards and their monthly coal stocks. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," "Mineral Industry Surveys," "Weekly Coal Report," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	markets storage supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Tanker and Barge Shipments of Crude Oil and Petroleum Products from P.A.D. District III, Form 6-1308M

Frequency: Monthly

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Companies

Number of Information Sources: 360

Questions:

- Waterborne shipments of crude oils and petroleum products during the month by tankers and barges

Official Purpose: Assembles information on crude oils and petroleum products to maintain accurate records of the amounts transported by tankers and barges. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines
"Mineral Industry Surveys," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Natural Gas Processing Plant Report, Form 6-1305-M

Frequency: Monthly

Agency Information Officer: A. J. Warner

Type of Information Source: Natural Gas Processing Plants

Number of Information Sources: 8532

Questions:

- plant identification and location
- production and valuation of products in natural gas processing plants
- stocks, receipts, production, and shipment of products in natural gas processing plants
- stocks, receipts, and shipments of natural gas products in terminal or underground storages

Official Purpose: Assembles natural gas processing plant statistics required for Governmental use and by the Natural Gas Processers Association

Published: Bureau of Mines
"Minerals Yearbook"
"Minerals Industry Surveys"

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Natural Gas	production storage supply transportation economics	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Natural Gas Processing Plants, Form 6-1343A

Frequency: Annual

Agency Information Officer: A. J. Warner

Type of Information Source: Gas Processing Plants

Number of Information Sources: 230

Questions:

- plant identification and location
- type of processing plant
- plant capacity
- production and valuation of products
- disposition of residue gas
- pressure base used in reporting gas volumes for this report
- natural gas processed

Official Purpose: Gathers data on the amount of natural gas processed, valuation of products, and disposition of residue gas. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Natural Gas	markets production storage supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Peat in 196_, Form 6-1391-A

Date and Frequency:

Agency Information Officer: W. C. Elliot

Type of Information Source: Peat Producers

Number of Information Sources: Unknown

Information:

- identification and location of operator
- location of bog
- size of deposit
- status of operation (active, idle, abandoned, or sold)
- identification and location of successor (if bog changed hands)
- equipment utilized (excavating and loading, processing)
- production (kind, total, quantity produced by type of preparation)
- Sales (use, total, bulk, packaged, kind of peat)
- identification of peat producers in the same area

Official Purpose: Compiles information on the peat industry for the guidance and information of industry, government, and the public.

Published: "Mineral Yearbook", Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal (peat)	production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Pennsylvania Anthracite Production, Form 6-1385-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Coal Mine Operators

Number of Information Sources: 180

Questions:

- Identification and location of operator
- Type of operation
- Production during year, by size
- Production during year, by type
- Amount of coal prepared at plant, by origin
- Amount of coal prepared at other preparation plants
- Mechanical equipment used during the year
- Railroad shipments

Official Purpose: Gather data on Pennsylvania Anthracite Production with industry cooperation for the guidance and information of industry, government, and the public.

Published: "Minerals Yearbook", Bureau of Mines

Restrictions:

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
coal	production transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Pennsylvania Anthracite Production - Contractors Report
Form 6-1387-A

Frequency: Annual

Agency Information Officer: T. R. Scollon

Type of Information Source: Coal Mine Contract Operators

Number of Information Sources: 115

Questions:

- description and location of operation
- coal mined or received during the year
- mechanical equipment utilized during the year
- name and address of new coal contractors in the vicinity

Official Purpose: Assembles contractors report of anthracite coal production. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Pennsylvania Anthracite - Mines Without Preparation Plants
Form 6-1386-A

Frequency: Annual

Agency Information Officer: T. R. Scollon

Type of Information Source: Anthracite Coal Mine Operators

Number of Information Sources: 452

Questions:

- description and location of mine
- type of operation
- amount of production during the year by specific methods of mining (culm banks, underground, strip pits)
- name of coal preparation company and amount of coal prepared
- mechanical equipment and underground equipment utilized

Official Purpose: Assembles data on Pennsylvania anthracite production with industry cooperation for the guidance and information of industry, government, and the public.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Pennsylvania Anthracite Production, River Coal Report Form 6-1388-A

Frequency: Annual

Agency Information Officer: T. R. Scollon

Type of Information Source: Coal Mine Operators

Number of Information Sources: 180

Questions:

- name of operator
- type of operation
- location of operation
- owner
- value and quantity of coal
- amount of coal prepared at given plant
- unreported coal
- mechanical equipment utilized during the year
- railroad shipments made during the year

Official Purpose: Assembles inventory data of Pennsylvania Anthracite production. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	economics production storage transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Petroleum Supply and Demand Report - District 5
Form 6-1320-M (B-1)

Frequency: Monthly

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Companies in Alaska, Arizona, Hawaii, Nevada, Oregon, Washington

Number of Information Sources: 504

Questions:

- supply of petroleum on hand in District 5
- demand for petroleum within District 5
- stocks of petroleum within District 5

Official Purpose: Assembles data on the supply of, and the demand for, petroleum products . Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines
"Mineral Industry Surveys," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	applications markets storage supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Products Pipeline Report, Form 6-1303-M

Frequency: Monthly

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Companies

Number of Information Sources: 840

Questions:

- petroleum stocks, receipts, and shipments of pipeline products
  - gasoline
  - jet fuel
  - kerosine
  - distillate fuel oil
  - liquified petroleum gases
  - natural gasoline
  - plant condensate
  - other products
- movements of petroleum products by pipeline between P.A.D. Districts
- stocks of pipeline products in lines and working tanks at end of month by district

Official Purpose: Assembles monthly inventory data on pipeline products. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	storage supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Production of "Other Finished Products' at Petroleum Refineries, Form 6-1336-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Refineries

Number of Information Sources: 75

Questions:

- Location and identification of refinerv
- The production levels of finished petroleum products
  - absorption oil
  - petrolatium
  - hydraulic fluid
  - insulating oils
  - medicinal oils
  - rust preventatives
  - sand-frac oils
  - spray oils
  - other specialty oils

Official Purpose: Assembles an inventory of finished petroleum products. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	by-products production storage supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: **Pyrites, Form 6-1236-A**

Frequency: Annual

Agency Information Officer: T. R. Scollon

Type of Information Source: Coal Companies

Number of Information Sources: 10

Questions:

- name and address of coal producing companies
- status during year
- disposition of pyrite by type of material

Official Purpose: Gathers information relating to the amount of pyrite production used and sold by coal producers. This information is gathered with the cooperation of the industry for the guidance and information of industry, government, and the public

Published: "Minerals Yearbook,"Bureau of Mines
"Mineral Industry Surveys," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	application markets production storage supply by-products	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Refinery Report, Form 6-1300-M

Frequency: Monthly

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Refineries

Number of Information Sources: 3012

Questions:

- refinery stocks, receipts, inputs, production, and shipments
- stocks of liquified gas in underground storage at end of the month
- refinery receipts of crude and unfinished oils during month by state or county of production
- refinery receipts of crude oil during month by method of transportation

Official Purpose: Assembles monthly report of petroleum refineries' inventories. Information gathered with industry cooperation for governmental, industrial, and public guidance and information.

Published: Bureau of Mines
"Minerals Yearbook"
"Minerals Industry Surveys"

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	economics production storage supply transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Sales of Liquefied Petroleum Gases, Form 6-1345-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum companies

Number of Information Sources: Unknown

Questions:

- Identification and location of petroleum company
- Sales of liquefied petroleum gases and ethane during the year by states of destination and by user
- Identification of new ownerships, present owner and date sold

Official Purpose: Compiles data on the sale of liquefied petroleum gases with industry cooperation for the guidance and information of industry, government, and the public.

Published: "Minerals Yearbook", Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
petroleum natural gas	by-products supply markets	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Sales to Trade and Own Use of Petroleum Products, District 5, month of __________, Form 6-1321-M

Frequency: Monthly

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum companies in Alaska, Arizona, California, Hawaii, Nevada, Oregon, and Washington

Number of Information Sources: 504

Questions:

- Identification of product and use of liquid gases, gasoline, jet fuel, kerosine, distillate fuel oil, lubricating oil, and asphalt
- Identification of the quantity of petroleum products sold to the military and other organizations in five western states, Alaska and Hawaii

Official Purpose: Compiles petroleum data of five western states, Alaska and Hawaii with industry cooperation for the guidance and information of industry, government, and the public.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
petroleum	supply markets	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Shipments of Aviation Fuel , Form 6-1301-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Companies

Number of Information Sources: 30

Questions:

- Shipments of aviation fuel during the year
  (1) aviation gasoline (airlines, factory, general aviation, and military use)
  (2) jet fuel for commercial and military use

Official Purpose: Compiles data on the users of aviation fuels and points of delivery for the Statistical Committee of the American Petroleum Institute.

Published: "Minerals Yearbook," Bureau of Mines
American Petroleum Institute Reports

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	by-products transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Supply and Disposition of Natural Gas, Form 6-1341-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Natural gas producers

Number of Information Sources: 2,385

Questions:

- Supply of raw and residue gas (quantity, value) by state
    - Gross gas production
    - Receipts of gas
    - Withdrawals from underground storage
- Disposition of raw and residue gas (quantity, value) by state
    - Extraction loss
    - Used in lease operations
    - Returned to formation
    - Vented
    - Used as fuel in pipeline operation
    - Delivered to processing plant
    - Delivered to pipeline companies
    - Delivered to consumers
    - Stored

Official Purpose: Compiles natural gas supply and disposition data with industry cooperation for the guidance and information of industry, government, and the public.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
natural gas	supply storage production markets	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Supply and Disposition of Natural Gas (Non-Producing Distributors Report) Form 6-1340-A

Frequency: Annual

Agency Information Officer: A. J. Warner

Type of Information Source: Natural Gas Producers, Pipeline Operators and Distributors

Number of Information Sources: 2385

Questions:

- state covered by the report
- amounts of natural gas received from producing companies and pipeline companies
- disposition of natural gas to the various classification of customers (residential, commercial, industry, utilities)

Official Purpose: Maintains accurate inventory data of the amounts of natural gas received and delivered by the individual organization and identifies the natural gas buyers.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Natural Gas	application markets storage supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Bureau of Mines

Questionnaire Title: Value at Wells of Crude Oil Purchased, Form 6-1326-A

Frequency: Annual

Agency Information Officer: W. C. Elliot

Type of Information Source: Petroleum Companies

Number of Information Sources: 172

Questions:

- quantity and value of petroleum purchased from each petroleum producing state

Official Purpose: Gathers data on the amount of petroleum purchased from petroleum producing states. Information gathered with industry cooperation for Governmental, industrial, and public guidance and information.

Published: "Minerals Yearbook," Bureau of Mines

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	production supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Annual Report, Electric Utilities and Licensees (Classes A & B) FPC Form 1

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Electric Utility Companies

Number of Information Sources: 350

Questions:

- general corporate information and summary financial statement
- balance sheet supporting information
- income account supporting information
- electric plant, sales, operating, and statistical data

Official Purpose: Assists the Federal Power Commission in proper administration of the Federal Power Act.

Published: "Statistics of Publicly Owned Electric Utilities"
"Statistics of Privately Owned Electric Utilities"
FPC Publications

Restrictions: None

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	economics markets production supply management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Electric Utilities Monthly Statement of Operating Revenues and Income, FPC Form 5

Frequency: Monthly

Agency Information Officer: W. L. Webb

Type of Information Source: Electric Utility Companies

Number of Information Sources: 3000

Questions:

- sales of electric energy
- other electric revenues
- electric operating expenses
- net electric operating revenues
- dividends declared
- plant investment.
- dividends declared

Official Purpose: Assembles data on all class A and B jurisdictional electric utilities for use by the Federal Power Commission and the public.

Published: "Electric Power Statistics" - FPC Monthly Report

Restrictions: None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electric Energy	economics management markets	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Industrial Electric Generating Capacity, FPC Form 12-C

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Industrial Power Stations

Number of Information Sources: 1500

Questions:

- identification of plant
- kilowatt capacity by type of prime mover
  - hydro
  - steam
  - internal combustion
- sales or deliveries

Official Purpose: Compiles statistical data on the amounts of electric energy produced by industrial power plants.

Published: "Hydroelectric Power Evaluation - 1968," "Electric Power Statistics," "National Power Survey" (FPC Publications)

Restrictions: (1)

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electric Energy	production	data compilation
Hydro-energy	management	

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Licensed Project Annual Report, FPC Form 9

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Public and Private Electric Utility Companies

Number of Information Sources: 2400

Questions:

- information concerning licenses and locations of records
- licensed project plant classified by accounts
- additions, retirements, and adjustments - licensed project plants
- depreciation and amortization expenses
- operational information
- energy generated and delivered

Official Purpose: Aids the Federal Power Commission in determining the actual legitimate original cost of, and net investment in, a licensed power project.

Published: "Steam Electric Plant Construction Cost and Annual Production Expenses" - FPC Publication

Restrictions: None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	economics production management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Monthly Power Plant Report (FPC Form 4)

Frequency: Monthly

Agency Information Officer: W. L. Webb

Type of Information Source: Electric Power Companies

Number of Information Sources: 51,600

Questions:

- plant name and code number
- prime mover type and kind of fuel
- installed capacity (kilowatts)
- net generation
- consumption and stocks of fuel for generation

Official Purpose: Monthly inventory of generation capacity and fuel requirements.

Published: "Electric Power Statistics" - FPC Monthly Report

Restrictions: None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	production supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Monthly Power Statement, FPC Form 12-E

Frequency: Monthly

Agency Information Officer: W. L. Webb

Type of Information Source: Electric Utility Companies

Number of Information Sources: 2400

Questions:

- system net generation
- energy received
- energy delivered
- net energy for system
- net energy for load
- estimates of probable loads

Official Purpose: Compiles power plant data to forecast peak load demand.

Published: "Electric Power Statistics," "National Power Survey" (Federal Power Commission)

Restrictions: None

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electric Energy Hydro Energy	production supply management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Annual Report of Municipal Electric Utilities
FPC Form 1-M

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Municipal Electric Utility Companies

Number of Information Sources: 716

Questions:

- balance sheet - end of year
- condensed income statement
- sales
- plant depreciation
- taxes
- steam-electric generating plant statistics
- hydroelectric generating plant statistics
- transmission line statistics
- electric energy account

Official Purpose: To secure information necessary and appropriate as a basis for recommending legislation.

Published: "Statistics of Publicly Owned Electric Utilities" - FPC Report

Restrictions: None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	economics production transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Annual Report of Natural Gas Companies (Classes A & B)
FPC Form 2

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Natural Gas Companies

Number of Information Sources: 77

Questions:

- general corporate information and summary financial statements
- balance sheet supporting information
- income account supporting information
- gas plant, sales, operating, and statistical data

Official Purpose: Compilation of natural gas economic statistics to assist the Federal Power Commission in proper administration of the Natural Gas Act.

Published: "Sales by Producersof Natural Gas to Interstate Pipeline Companies" and "Statistics for Interstate Natural Gas Pipeline Companies" - FPC Publications

Restrictions:

None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Natural Gas	economics management markets production supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: **Federal Power Commission**

Questionnaire Title: Natural Gas Companies (Classes C and D), Annual Report, Form 2-A

Frequency: Annual

Agency Information Officer: W. S. Webb

Type of Information Source: natural gas companies

Number of Information Sources: 31

Questions:

- identification and location of natural gas company
- security holders and voting power
- offices and directors
- comparative balance sheet (assets and other debits, balance beginning year, balance end of year, increase or decrease)
- liabilities and other credit (balance beginning of year, balance end of year, increase or decrease)
- deletion
- amortization
- capital stock
- long term debt
- income statement
- earned surplus
- gas sales data for the year
- gas operation and maintenance expense (classes C and D)
- sales for resale of natural gas
- gas purchases
- utility plant data (classes C and D)
- Natural Gas account (received and delivered)
- investment tax credits generated and utilized
- expenditures for civic, political, and related activities
- pipeline system accidents and failures

Official Purpose:

Compiles natural gas company data to assist in the proper administration of the Natural Gas Act

Published:

FPC Publications

Restrictions:

None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Natural gas	management production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Natural Gas Interstate Pipeline Company, Monthly Statement FPC Form 11

Frequency: Monthly

Agency Information Officer: W. L. Webb

Type of Information Source: Natural Gas Interstate Pipeline Companies

Number of Information Sources: 372

Questions:

- utility operating income
- natural gas sales and revenues
- class of service by customer
- detail of operation and maintenance expenses
- gas revenues and purchase costs that are attributable to rate increases in effect but not finally approved by FPC
- gas revenues and purchase costs attributable to rate increases subject to possible adjustment in FPC rate proceedings

Official Purpose: Assembles data on natural gas pipeline companies sales and expenses.

Published: "Sales by Producers of Natural Gas to Interstate Pipeline Companies." "Statistics for Interstate Natural Gas Pipeline Companies" FPC Publications

Restrictions: None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Natural Gas	economics production transportation management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Annual Report of Total Gas Supply, FPC Form 15

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Natural Gas Pipeline Companies

Number of Information Sources: 25

Questions:

- synopsis of pipeline company gas supply
- summary of gas reserve changes
- gas procurement activity statement
- system summary (reserves, purchases, production)
- sources of supply
- fields and reservoirs
- system maps
- reservoir maps

Official Purpose: Assembles statistical data of the annual operations of natural gas pipeline companies to aid the Federal Power Commission in proper administration of the Natural Gas Act.

Published: "Major Natural Gas Pipelines" - FPC Map
"Sales by Producers of Natural Gas to Interstate Pipeline Companies." - FPC Report

Restrictions: None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Natural Gas	markets supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Annual Report - Total Gas Supply, Form 15-A

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Natural Gas Producers

Number of Information Sources: 25

Questions:

- Identification and location of natural gas producers
- Class of natural gas producers
- Gas supply summary (previous years remaining gas supply, production adjustment)
- Current report year (revision, additions, change, gross gas supply, purchased and/or produced, remaining gas supply end-of-year)
- Owned and contracted gas supplies(previous years remaining gas supply, production adjustment)
- Current report year (revision, additions, change, gross gas supply, purchased and/or produced, remaining gas supply end-of-year)
- Other gas supplies (previous year remaining gas supply, end-of-year, production adjustments)
- Current report year (revision, addition, net change, purchased and/or produced, remaining gas supply end-of-year)
- Other gas supplies (name of vending companies, company code, purchased current year, remaining)

Official Purpose:

Compiles information annually on the total amount of natural gas produced and/or purchased by the natural gas producers

Published: "Sales by Producers of Natural Gas to Interstate Pipeline Companies" and "Statistics for Interstate Natural Gas Pipeline Companies", FPC publications

Restrictions:

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
natural Gas	production markets storage supply	Data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Power Line and Generating Station Construction Data
Form 12-F

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Electric utility companies

Number of Information Sources: Unknown

Questions:

- Identification and location of respondent
- New lines placed in service
- Old lines removed from service or changes in existing lines (location, line miles, voltage, conductor, type construction)
- In-service date (location, line miles, voltage, conductor, type construction)
- New lines under construction (location, line miles, voltage, conductor, type construction)
- New lines authorized but not under construction (location, line miles, voltage, conductor, type construction)
- Schedule changes in system generating plants

Official Purpose: Compilation of construction data, system changes and future planning of power lines and generating stations.

Published: "Statistics of Publicly Owned Electric Utilities,"
"Statistics of Privately Owned Electric Utilities,"
FPC Publications

Restrictions:
None

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
electrical energy	production supply	data compilation operational planning review

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Power System Statement, FPC Form 12

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Public and Private Electric Utility Companies

Number of Information Sources: 2400

Questions:

- capacity and output of system generating plant
- system hydroelectric capacity
- small plant data
- hydroelectric plant data
- pumped storage plant data
- steam-electric industry nuclear plant data
- internal-combustion engine and gas-turbine plant data
- accounting of energy transfer with other utility companies
- system energy accounting
- energy delivered to ultimate consumers
- demand on generating plant and power delivered at annual peak load
- net generating and systems peaks by month
- system load data for specified weeks
- system dependable and assured capacity
- system maps and diagrams
- summer and winter peak month and calendar year load estimates

Official Purpose: Provides statistical basis for administration of the Federal Power Act.

Published:
"Electric Power Statistics"
"Statistics of Privately Owned Electric Utilities in the U.S."
"Statistics of Publicly Owned Electric Utilities"
FPC Publications

Restrictions:
None

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	application economics markets production supply management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: **Federal Power Commission**

Questionnaire Title: **Power System Statement For the Year Ended December 31, 1969, Form 12-D**

Frequency: **Annual**

Agency Information Officer: **W. L. Webb**

Type of Information Source: **Electric systems with yearly energy requirements less than 5,000,000 kilowatts**

Number of Information Sources: **30**

Questions:

- identification and location of electrical systems
- class of ownership (government, cooperative, or private)
- generation, energy received and delivered, and system peak for the year
- month in which system peak load occurred
- energy delivered to ultimate consumers
- contemplated alterations, additions, or retirements in system generating plants
- electric generating equipment owned or operated as of December 31, ____
- electric power received from or delivered to other systems
- map of electric system

Official Purpose: **Compiles data of power systems generating less than 5,000,000 kilowatts annually**

Published: **"Electric Power Statistics", (FPC Publication)**

Restrictions: **None indicated**

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	production markets	data compilation operational planning

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Power System Statement, FPC Form Series 12A

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: All public and private operators of facilities for the generation, transmission, or distribution of electrical energy.

Number of Information Sources: 1865

Questions:

- location of power system
- type of electric generating equipment
- generation of energy received and delivered
- system peaks
- electric energy delivered to ultimate consumers
- system dependable and assured capacity
- contemplated changes in capacity
- map of electric system

Official Purpose: Compiles electric power system data for FPC regulation of electric power generation as directed by the Federal Power Act.

Published:

1. "Principal Electric Facilities, 1968"- FPC Map
2. "Hydroelectric Power Resource of the United States, Developed and Undeveloped"
3. "Statistics of Publicly Owned Electric Utilities"
4. "Statistics of Privately Owned Electric Utilities in the U.S."
5. "Hydroelectric Plant Construction Cost and Annual Production Expenses"
6. "Sales of Firm Electric Power for Resale"

Restrictions:

None Indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electric Energy	application markets production supply management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Annual Report Public Utilities and Licenses (Classes C & D) FPC Form 1-F

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Public and Private Electric Utility Companies

Number of Information Sources: Not indicated

Questions:

- officer and directors
- comparative balance sheet
- depreciation and amortization provisions
- income statement
- electric sales data
- purchased power
- utility plant statistics
- investment tax credits

Official Purpose: Assists the Federal Power Commission in the proper administration of the Federal Power Act.

Published: "Statistics of Publicly Owned Electric Utilities" FPC Publication

Restrictions: None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	economics markets supply production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Federal Power Commission

Questionnaire Title: Steam-Electric Plant Air and Water Quality Control Data for the Period Ended December 31, ____, FPC Form 67

Frequency: Annual

Agency Information Officer: W. L. Webb

Type of Information Source: Steam-Electric Generating Plants with generating capacity of 25 megawatts or greater

Number of Information Sources: 2400

Questions:

See attached sheet.

Official Purpose: Assembles data on the quality of fuels used and the air quality control equipment used in power plants to support FPC, NAPCA, and FWQA pollution control efforts.

Published: Extracted information to be published in NAPCA reports and "Air Pollution and the Regulated Electric Power and Natural Gas Industries" - FPC Report

Restrictions: None indicated

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electric Energy	waste products and pollution	data compilation

- Company Identification and Location

Part I - Air Quality Control Data

- Plant Fuel Consumption Data
  - Coal (consumption, BTU, Sulfur %, Ash %, Moisture %)
  - Oil (consumption, BTU, Sulfur %)
  - Gas (consumption, BTU)

- Plant Fuel Source Data (Coal, Oil)

- Fuel Consumption by Month (Coal, Oil, Gas)

- Boiler Operation, % fuel load
  - Winter Peak Week
  - Summer Peak Week
  - Lowest Power Period Week
  - Total Operation Hrs., year
  - Avg. boiler capacity factor %

- Flue Gas Cleaning Equipment (yearly hrs of service, efficiency)

- Disposal of Products Collected from Combustion Cycle at Plant

- Air Quality Control, O and M Expenses

- Equipment (Design Parameters)
  - Boiler
  - Flue Gas Cleaning Equipment
  - Stock Data

Part II - Water Quality Control Data

- Average Annual Cooling Water Use

- Maximum Water Temperature and Avg. Steam Flow during Summer and Winter Peaks

- Operation and Maintenance Expenses (Cooling Water, Boiler Water)

- Water Use Authority

- Cooling Facility Design Data

- Cooling Water Supply

- Water Treatment

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Interstate Commerce Commission

Questionnaire Title: Annual Report of Freight Commodity Statistics, Form TCS

Frequency: Annual

Agency Information Officer: C. Embry

Type of Information Source: Carriers subject to the Interstate Commerce Act

Number of Information Sources: 900 highway carriers
75 rail carriers

Questions:

- name and location of carrier; amount of commodity transported annually
- origin of each shipment
- destination of each shipment
- revenue
- rate
- transport equipment used
- employment

Official Purpose: Compilation of transportation statistics for regulation of the Interstate Commerce Act

Published: "Transport Statistics in the United States", published by the Interstate Commerce Commission

Restrictions:

Information identified by individual company is considered confidential

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum Natural Gas Coal	transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Interstate Commerce Commission

Questionnaire Title: Carriers by Pipeline - Annual Report, Form P

Frequency: Annual

Agency Information Officer: C. Embry

Type of Information Source: Interstate Natural Gas and Petroleum Pipeline Companies

Number of Information Sources: 97

Questions:

- name of company, owner, location, identification of state regulation; amendments made during the year; court of jurisdiccion; merging company name
- date of consolidation; assets; liabilities; securities on hand
- depreciation; carrier improvement; non-carrier improvement
- fuel products shipped; amounts of fuel shipments during the year

Official Purpose: Compiles pipeline carrier data to determine ownership, assets, liabilities and amounts of fuels shipped during the year as required for administration of the Interstate Commerce Act.

Published: "Transport Statistics in the United States" and "Construction Indices - Railroad and Pipeline" published by the Interstate Commerce Commission

Restrictions:

None

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum Natural Gas	transportation production resources economics management	data compilation policy

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Interstate Commerce Commission

Questionnaire Title: Quarterly Report of Freight Commodity Statistics, Form QCS

Frequency: Quarterly

Agency Information Officer: C. Embry

Type of Information Source: All Class I railroad companies

Number of Information Sources: 75

Questions:

- railroad company
- location
- amount of commodity transported quarterly
- origin of each shipment
- destination of each shipment
- revenue
- rate
- transport equipment used
- employment

Official Purpose: Compilation of railroad transportation statistics for regulation of the Interstate Commerce Act

Published: "Transport Statistics in the United States" and "Freight Commodity Statistics" - published by the Interstate Commerce Commission

Restrictions:

Information identified by individual company is considered confidential

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum Natural Gas Coal	transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Oil Import Administration

Questionnaire Title: Report of Oil Imports Into the United States and Puerto Rico

Frequency: Monthly

Agency Information Officer: Mrs. T. Osborne

Type of Information Source: Petroleum Companies Importing Oil Into the United States and Puerto Rico

Number of Information Sources: 175

Questions:

. name and address of reporting company
. crude oil, unfinished oil, finished petroleum products, residual fuel oil
  .. port of entry
  .. country of origin
  .. plant or refinery, (name and location)
  .. quantity (barrels per day)

Official Purpose: Assembles data on petroleum imported into the United States and Puerto Rico pursuant to the provision of Section 5, Presidential Proclamation 3279.

Published: "Oil Import Totals" - Monthly O.I.A. Report

Restrictions: None indicated. Reported data for individual companies may be published as required by the O.I.A.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	by-products production supply transportation management storage	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Oil Import Administration

Questionnaire Title: Fuel Oil Stocks Held at Refineries and Bulk Terminals

Frequency: Monthly

Agency Information Officer: Mrs. T. Osborne

Type of Information Source: Petroleum companies on the Eastern Seaboard and Gulf Coast operating deepwater terminals, pipeline terminals, and refineries

Number of Information Sources: 40

Questions:

- distillate fuel oil stocks (amounts given in thousands of barrels) in the Eastern and Gulf Coast states

Official Purpose: Assembles data used to judge the impact of the present import program on distillate fuel oil stocks and to determine the amount of fuel oil available for the heating season demand. Supplements Bureau of Mines information to insure that the inventories of all major distributors are reported.

Published:

" Oil Import Totals" - Monthly O.I.A. Report

Restrictions:

Information on stocks by individual companies will not be made public.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	supply storage management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Alaska Coal Leasing, Form 9-519

Frequency: Monthly for period of lease

Agency Information Officer: Willard McCornnack

Type of Information Source: Alaska Coal Mine Lessee

Number of Information Sources: 120

Questions:

- location of lessee
- total amount of coal disposed of
- royalty per ton
- disposal use by size
- selling price
- storage coal
- washed coal
- total mine production
- number of mine cars of R.O.M. coal produced from each mine

Official Purpose: Reports coal production from coal leases in Alaska to verify or correct royalty payments.

Published: Only on an unidentified basis in summary reports showing total amounts collected by coal field or state.

Restrictions: The information is discussed only with representatives of the lessee or Government accountants.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	application markets production management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Application for Permit to Drill, Deepen or Plug Back, Form 9-331C

Frequency: Occasional

Agency Information Officer: Willard McCornnack

Type of Information Source: Natural gas and petroleum well drillers on Federal land

Number of Information Sources: 1500

Questions:

- Description of task (drill, deepen, or plug back)
- Identification, location of operator, and location of well, lease description, well number, field or pool
- Distance from the nearest town or post office
- Distance from the nearest property or lease line
- Number of acres in lease, number of acres assigned to lease
- Distance from nearest well
- Proposed depth of well
- Proposed casing and cementing program

Official Purpose: Compiles natural gas and oil well data to enforce drilling regulations pertaining to Federal properties

Published: Only in Geological Survey summary reports

Restrictions: Confidential to the U. S. Geological Survey and the respondent

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
natural gas petroleum	resources production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Coal Lease Report, Form 9-373a

Frequency: Quarterly for period of lease

Agency Information Officer: Willard McCornnack

Type of Information Source: Coal Mining Operationson Federal Land

Number of Information Sources: 800

Questions:

- coal produced from leased lands
- royalty price per ton
- coal sold in tons
- average price per ton
- coal used as mine fuel, lump coal, egg and nut coak, screening, run of mine
- coal removed from storage
- coal to washing coal to coke ovens, washed coal produced, coke coal produced
- average price per ton for coke sold

Official Purpose: Assembles coal mining production data for computation of royalties on Federal land in accordance with the Mineral Leasing Act.

Published: Only in summary Geological Survey reports.

Restrictions: Confidential information is discussed only with personnel of the Geological Survey, supervising officer, representative of the lessee, or court of jurisdiction.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	applications economics management markets production supply transportation	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Coal License Report, Form 9-370

Frequency: Semi-annual for period of lease

Agency Information Officer: Willard McCornnack

Type of Information Source: Coal Mining Lessees' Operations on Federal Land

Number of Information Sources: 100

Questions:

- tons of coal mined, stored, or dumped
- number of days which the mine was worked
- total of all fatal accidents
- details on surface and underground ground fires, flooding, or caving of mine

Official Purpose: Assembles statistical mining data for determination of production, lost time, accidents, and mine fires on Federal land.

Published: No plans for publication except in summary reports

Restrictions: The material is confidential and is discussed only with representatives of the lessee.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Coal	management production resources storage	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Lessee's Monthly Report of Operations, Form 9-329

Frequency: Monthly

Agency Information Officer: Willard McCornnack

Type of Information Source: Oil and natural gas well operators on Federal land

Number of Information Sources: 10,000

Questions:

- Identification of state, county and oil field
- Month of report
- Identification of company, location of agent and title
- Location, well number, days produced, barrels of oil, gravity, cubic feet of gas, gallons of gasoline recovered, barrels of water

Official Purpose: Assembles petroleum and natural gas well data for the enforcement of regulations and supervision of well operators on government land

Published: Only in summary documents of the Geological Survey on an unidentified basis

Restrictions: Confidential unless the operator indicates otherwise

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
petroleum natural gas	production management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Lessee's Monthly Report of Sales and Royalty, Form 9-361

Frequency: Monthly

Agency Information Officer: Willard McCornnack

Type of Information Source: Natural gas and petroleum companies on Federal land

Number of Information Sources: 10,000

Questions:

- Identification and location of lessee
- Listing of all runs and sales during the month
- Oil (tank number, date, net barrels run, gravity, price per barrel, and value)
- Gas (sales in cubic feet, price, value)
- Gasoline (sales in gallons, price per gallon, value)
- Butane and other liquid products (sales in gallons, price per gallon, value)
- Number of oil producing wells affecting royalty computations
- Royalty (sales, royalty rate, royalty quantity, royalty value)

Official Purpose: Compiles petroleum sales and royalty data to enforce royalty regulations

Published: Only in Geological Survey Summaries

Restrictions: The compiled material is discussed only with representatives of the lessee or Government Accountants.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
petroleum	markets productions by-products	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Lessee's Report of Sales and Royalty - Outer Continental Shelf Operations, Form 9-153

Frequency: Monthly for term of lease

Agency Information Officer: Willard McCornnack

Type of Information Source: Petroleum and Natural Gas Drilling Lessees on Federal Off-Shore Territory

Number of Information Sources: 10,000

Questions:

- location of lease
- oil production and value
- gas sales and value
- gasoline sales and value
- butane and other liquid products sales and value
- royalty

Official Purpose: Determination of the royalties payable to the United States for oil and gas leases on Federal land as required by the Federal Mineral Leasing Act. The data are used by the Regional Oil and Gas Supervisors of the Geological Survey.

Published: Included, but not identified, in summary reports for states, areas, and counties by the Geological Survey.

Restrictions: The material is discussed only with representatives of the lessee or Government accountants.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Natural Gas Petroleum	economics management production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Log of Prospect Bore Hole, Form 9-1147

Frequency: Single time for each drill hole

Agency Information Officer: Willard McCornnack

Type of Information Source: Well Drillers

Number of Information Sources: 1500

Questions:

- name of oil driller
- commenced drilling
- finished drilling
- hole number
- method of drilling
- logged by
- formation record

Official Purpose: Assembles drilling data to determine when an oil discovery has been made and for determination of reserves, attitude of the deposit, and for projecting a plan of development.

Published: None

Restrictions: The information is confidential. The Geological Survey cannot release unless authorized by lessee of record.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum	production resources management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Monthly Gasoline Plant Report, Form 9-208

Frequency: Monthly for period of lease

Agency Information Officer: Willard McCornnack

Type of Information Source: Gasoline Plant Operations on Federal Land

Number of Information Sources: Not Indicated

Questions:

- plant operator and location
- wet gas processed
- total expected production of gasoline
- total actual production of gasoline
- total residual gas available for sale
- sales of gasoline, butane propane, or other liquid hydrocarbons (purchaser, gallons, grade, price, gross value)
- residue gas sales (purchaser, cubic ft. gross value, boosting charge)

Official Purpose: Assembles data on gasoline extraction plants for computation of royalties on Federal and Indian oil and gas leases in accordance with the Oil and Gas Operating Regulations of the Federal Mineral Leasing Acts.

Published: Only in summary documents on an unidentified basis.

Restrictions: The information is discussed only with representativesof the lessee or Government accountants.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum Natural Gas	by-products economics management markets production supply	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Report of Operations - Outer Continental Shelf, Form 9-152

Frequency: Monthly for term of lease

Agency Information Officer: Willard McCornnack

Type of Information Source: Petroleum and Natural Gas Production Companies on Federal Off-Shore Territory.

Number of Information Sources: 10,000

Questions:

- area of production
- location of well
- barrels of oil
- gravity
- cubic feet of gas
- barrels of water

Official Purpose: Assembles data necessary for the supervision of operation and the determination of royalties from oil and gas lessee on Federal land.

Published: Only in summary reports of the Geological Survey on an unidentified basis.

Restrictions: Confidential and discussed only with representatives of the lessee or Government accountants.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum Natural Gas	production management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Production Royalty Report - Federal Land Mineral Leases
Form 9-368

Frequency: Monthly for term of lease

Agency Information Officer: Willard McCornnack

Type of Information Source: Mine Operation on Federal land

Number of Information Sources: 500

Questions:

- mine output (ore, rock, salts or brines)
- crude product in tons
- name of product (tons produced, tons in storage, ton disposed of, value at point of shipment, total value of product disposed of, royalty at % or ton)

Official Purpose: To report production for the hard-rock minerals including uranium. The data are used to verify or correct royalty payments.

Published: May be included, but not identified, in summary reports of the total amounts collected by state, area, or county by the Geological Survey.

Restrictions: The material is discussed only with representatives of the lessee or Government accountants.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Nuclear Energy	economics markets productions storage supply management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Prospecting Permit Report for (Month, Quarter) Ending __________, Form 9-375

Frequency: Monthly or quarterly

Agency Information Officer: Willard McCornnack

Type of Information Source: Mineral prospectors on Federal land

Number of Information Sources: Unknown

Questions:

- Destination or name of prospect
- Feet driven or sunk
- Thickness of ore body
- State of prospect (complete or abandoned)
- Number of samples taken
- Maps, logs and analyses
- Cost of prospecting and development done during (Month, Quarter)
- Production and sales

Official Purpose: Compiles data to determine the stage of development and the level of production of mineral operations on Federal land

Published: Only in Geological Survey Mineral Summary

Restrictions: The compiled material is discussed only with representatives of the lessee or Government Accountants.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
nuclear energy coal	resources production	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Sundry Notices and Reports on Wells, Form 9-331

Frequency: Single time for each well work operation

Agency Information Officer: Willard McCornnack

Type of Information Source: Petroleum and Natural Gas Operations on Federal Land

Number of Information Sources: 1500

Questions:

- type of well
- name of well operator
- location of well
- elevation of derrick above sea level
- nature of notice, report, or other data
  - intention to drill
  - redrill
  - test water shut-off
  - pull or alter casing
  - abandon well
- permit number

Official Purpose: Assembles petroleum and natural gas well development data for enforcement of regulations and supervision of well operators on public-land oil and gas leases. See Code of Federal Regulations, Title 30, Sec. 221.58.

Published: Only in summary Geological Survey documents on an unidentified basis.

Restrictions: Confidential unless released by the operator.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum Natural Gas	production management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Sundry Notices and Reports on Wells, Form 9-331A

Frequency: Occasional

Agency Information Officer: Willard McCornnack

Type of Information Source: Petroleum and natural gas operators on Federal land

Number of Information Sources: 1500

Questions:

- Identification and location of operator
- Notice of intention to drill, change plans, test, repair, shoot, pull casing or abandon well
- Subsequent report of water shut off, shooting, altering casing, repair, abandonment and well history
- Identification and location of well
- Elevation of derrick floor above sea level
- Details of work

Official Purpose: Assembles petroleum and natural gas well development data for enforcement of regulations and supervision of well operators on public land oil and gas leases. See Code of Federal Regulations, Title 30, Sec. 221.58.

Published: Only in summary of Geological Survey documents on an unidentified basis.

Restrictions: Confidential

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
petroleum natural gas	production management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Royalty Statement Federal Land, Form 9-388

Frequency: Periodically

Agency Information Officer: Willard McCornnack

Type of Information Source: Petroleum producers on Federal land

Number of Information Sources: Unknown

Questions:

- Identification of petroleum producers
- Period
- Mineral or product
- Quantity
- Unit value
- Total value
- Quantity or value subject to royalty
- Royalty value
- Date
- Explanation
- Debits
- Credits
- Unapplied rental
- Balance

Official Purpose: Compiles petroleum royalty data to enforce royalty regulations

Published: Only in Geological Survey summaries

Restrictions: The compiled material is discussed only with representatives of the lessee or Government Accountants.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
petroleum natural Gas coal nuclear Energy	production resources management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: U. S. Geological Survey

Questionnaire Title: Well Completion or Recompletion Report and Log, Form 9-330

Frequency: Occasional

Agency Information Officer: Willard McCornnack

Type of Information Source: Well Operators on Federal and Indian Oil and Gas Leases

Number of Information Sources: 30,000

Questions:

- type of well, type of completion
- operator
- location of well
- casing record
- liner record
- production
- summary of porous zones (formation, ton, bottom, content, description, geological markers)

Official Purpose: Assembles oil and gas well operational data for use by the Regional Oil and Gas Supervisor of the Geological Survey in accordance with the Oil and Gas Operating Regulation 30 CFR, Part 221. The form was prepared in cooperation with the Interstate Oil Compact Commission.

Published: May be included but not identified in summary reports of the total amount collected by state, area, or county by the Geological Survey.

Restrictions: The information is confidential to the Geological Survey state agencies using the form, and the respondent.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Petroleum Natural Gas	production management	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Edison Electric Institute

Questionnaire Title: Edison Electric Institute Monthly Report Form

Frequency: Monthly

Agency Information Officer: Thomas Burbank

Type of Information Source: Electric Utility Companies

Number of Information Sources: Approximately 300

Questions:

- source of energy
- disposal of energy
- sales to ultimate customers
- sales for resale

Official Purpose: Compiles data relating to the production, marketing, and distribution of electrical energy.

Published: "Total Electric Utility Industry in the United States Including Alaska and Hawaii, Source and Disposal of Energy - Monthly" published by the Edison Electric Institute

Restrictions: Individual company data is not releasable.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	applications economics markets production supply storage	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Edison Electric Institute

Questionnaire Title: Electric Space-Heating Customer Survey

Frequency: Annual

Agency Information Officer: Thomas H. Burbank

Type of Information Source: Electric Utility Companies

Number of Information Sources: Approximately 300

Questions:

- name and address of utility company
- total number of dwelling unit served with electricity during the year
- number of residential customers
- number of dwelling units served using permanently installed electric heating equipment as the principal source of space heating

Official Purpose: Compiles annual statistics on the use of electricity for heating dwellings.

Published: "Statistical Yearbook of the Electric Utility Industry" published by the Edison Electric Institute

Restrictions: Individual company data is not releasable.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	applications markets	data compilation

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Edison Electric Institute

Questionnaire Title: Monthly Peak Load and Capacity Report

Frequency: Monthly

Agency Information Officer: Thomas H. Burbank

Type of Information Source: Electric Utility Companies

Number of Information Sources: Approximately 300

Questions:

- system net generation
- net energy for load
- peak load
- estimated future summer and winter peaks
- net dependable capacity under adverse water conditions
- capacity available from firm purchases
- reserve capacity required to be supplied by own system
- net assured capacity
- installed capacity
- net dependable capacity available
- description of alterations, additions, or retirements (plant name, type, and location)

Official Purpose: Compiles and publishes monthly statistics on peak loads and capacities of electric power companies.

Published: "Statistical Yearbook of the Electric Utility Industry" and "Electric Power Survey" publications of the Edison Electric Institute

Restrictions: Individual company data is not releasable.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy	production storage supply	data compilation planning

DESCRIPTION OF QUESTIONNAIRE

Agency Title: Edison Electric Institute

Questionnaire Title: Uniform Statistical Report

Frequency: Annual

Agency Information Officer: Thomas H. Burbank

Type of Information Source: Electric and Gas Utility Companies

Number of Information Sources: Approximately 500

Questions:

- name and address of the company
- names of subsidiaries
- population served
- statement of income and earned surplus
- functional details of operation and maintenance expenses
- assets
- liabilities
- income
- additions, retirements, and adjustments to utility plant
- classification of energy sales
- utility plant by functional accounts (electric, gas)
- new securities issued during year
- taxes
- source and disposal of energy
- generating station statistics
- maximum demands and net capability at time of company peaks
- fuel consumed for electric generation
- analysis of industrial (or large light and power) kilowatt-hour sales and revenue

Official Purpose: Assembles general and statistical information on individual utilities for use by the industry associations.

Published: "Statistical Yearbook of the Electric Utility Industry"(Annual) published by the Edison Electric Institute

Restrictions: Individual company data is not releasable.

Questionnaire Descriptors:

Fuel and Energy Source	Principal Content	Type of Information
Electrical Energy Natural Gas Nuclear Energy Hydro Energy	production application supply economics	data compilation